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CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

Table of Contents
Table des matières

Notices
Avis 1

Canadian Patents Issued
Brevets canadiens délivrés 23

Canadian Applications Open to Public Inspection
Demandes canadiennes mises à la disponibilité du public 95

PCT Applications Entering the National Phase
Demandes PCT entrant en phase nationale 111

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 187

Index of Canadian Patents Issued
Index des brevets canadiens délivrés 199

Index of Canadian Applications Open to Public Inspection
Index des demandes canadiennes mises à la disponibilité du public 212

Index of PCT Applications Entering the National Phase
Index des demandes PCT entrant en phase nationale 215

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 229

Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 2, 2018

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1708***
For each additional sheet over 30	**$19**
3. International Search Fee	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 2 janvier 2018

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1708 $***
Pour chaque feuille au delà de 30	**19 $**
3. Taxe de recherche internationale	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$257**
6. **Preliminary examination fee** (Rule 58)	**$800**

* International fees will be reduced by:

- **$257** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$385** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. **Taxe de traitement** (Règle 57.2*a*))	**257 $**
6. **Taxe d'examen préliminaire** (Règle 58)	**800 $**

* Les frais seront réduits de:

- **257 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **385 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (publications.mail@wipo.int) or visit their Web site (www.wipo.int).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (publications.mail@wipo.int) ou visiter leur site Web (www.wipo.int).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce*.

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

June 20, 2017

1. Physical Delivery of Correspondence to CIPO
2. Electronic Correspondence
3. Details concerning the electronic formats accepted
4. General Information
5. Statutory Holidays
6. Procedures in case of an unexpected Office closure at CIPO
7. Procedures when CIPO is open for business but clients are unable to communicate with the Office
8. Intellectual property acts, rules and regulations

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

14. Procédures de correspondance

le 20 juin, 2017

1. Livraison en personne de correspondance à l'OPIC
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Jours fériés
6. Procédures en cas de fermeture des bureaux
7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture
8. Lois, règles et règlements sur la propriété intellectuelle

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Livraison en personne de correspondance à l'OPIC

Aux fins des articles 5 et 54 des Règles sur les brevets, de l'article 3 du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 3 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. Innovation, Science and Economic Development Canada
   C.D. Howe Building
   235 Queen Street, Room S-143
   Ottawa ON K1A 0H5
   Tel.: 343-291-3436

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

2. Innovation, Science and Economic Development Canada
   Sun Life Building
   1155 Metcalfe Street, Room 950
   Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC » est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiements.

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique Canada
   Édifice C.D. Howe
   235, rue Queen, pièce S-143
   Ottawa (Ontario) K1A 0H5
   Tél. : 343-291-3436

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

2. Innovation, Sciences et Développement économique Canada
   Édifice Sun Life
   1155, rue Metcalfe, bureau 950
   Montréal (Québec) H3B 2V6

Tel.: 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

3. Innovation, Science and Economic Development Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

4. Innovation, Science and Economic Development Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tel.: 780-495-4782
Toll-free: 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

5. Innovation, Science and Economic Development Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

3. Innovation, Sciences et Développement économique Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

4. Innovation, Sciences et Développement économique Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

5. Innovation, Sciences et Développement économique Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

établissements ou des bureaux désignés auquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Electronic Correspondence

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight, local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

2. Correspondance électronique

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

- (819) 953-CIPO (2476) or
- (819) 953-OPIC (6742)

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment or designated office, will be considered not to have been received.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting a document by facsimile that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.1 Correspondance par télécopieur

La correspondance par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise aux numéros ci-dessous :

- 819-953-OPIC (6742) ou
- 819-953-CIPO (2476)

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquittement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre

of patent agents; and
- ordering copies in paper, or electronic form of a document.

des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- filing of a declaration of use;
- registration of a trademark application;
- statement of Opposition; and
- extensions of time in trademark opposition cases

Marques de commerce

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment par les pages suivantes :

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce,
- dépôt d'une déclaration d'emploi;
- l'enregistrement d'une marque de commerce
- dépôt d'une déclaration d'opposition; et
- demande de prolongation de délai dans une procédure d'opposition.

Copyright

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a

Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

2.3 Supports électroniques

Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

application itself or amendment(s) thereof.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or

ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of

contient des parties de la demande elle-même ou des modifications relatives à la demande.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

3. Details concerning the electronic formats accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ».Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Statutory Holidays

- Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts
- Time limits under the Patent and Trade-marks Act
- Time limits under the Patent Cooperation Treaty
- Provincial and Territorial Holidays
- When Patent and Trademarks Offices are closed for business

5. Jours fériés

- Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés
- Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce
- Délais prévus dans le Traité de coopération en matière de brevets
- Jours fériés provinciaux ou territoriaux
- Jours de fermeture au public des bureaux des brevets et des marques de commerce

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans le Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

L'OPIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta**: Third Monday in February (Alberta Family Day)
2. **British Columbia**:
    - First Monday in August (British Columbia Day)
    - Second Monday in February (British Columbia Family Day)
3. **New Brunswick**: First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador**:
    - March 17 (St. Patrick's Day)
    - April 23 (St. George's Day)
    - June 24 (Discovery Day)
    - July 12 (Orangemen's Day)
    - First Monday in August (Regatta Day)
5. **Nova Scotia**: First Monday in August (Civic Holiday)
6. **Ontario**:
    - Third Monday in February (Ontario Family Day)
    - First Monday in August (Civic Holiday)
7. **Prince Edward Island**: First Monday In August (Civic Holiday)
8. **Quebec**: June 24 (St. John the Baptist Day)
9. **Saskatchewan**: First Monday in August (Saskatchewan Day)
10. **Yukon**: Third Monday in August (Discovery Day)

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta** : troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique** :
    - premier lundi d'août (Fête de la Colombie-Britannique)
    - cuxième lundi de février (Jour de Famille de la Colombe –Britannique)
3. **Nouveau-Brunswick** : premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador** :
    - 17 mars (Fête de la Saint-Patrick)
    - 23 avril (Fête de la Saint-Georges)
    - 24 juin (Journée de la Découverte)
    - 12 juillet (Jour des Orangistes)
    - Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse** : premier lundi d'août (congé statutaire)
6. **Ontario** :
    - troisième lundi de février (Jour de la Famille de l'Ontario)
    - premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Edouard** : premier lundi d'août (congé civique)
8. **Québec** : 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan** : premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon** : troisième lundi d'août (Journée de la Découverte)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

In view of the **date-sensitive nature** of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondance procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

Il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, les clients de l'OPIC demeurent responsables du respect de tous les échéanciers.

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC, par Xpresspost^MC ou par voie électronique en utilsant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

deposit account number.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information on our service interruptions as they become available and as circumstances permit.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

En cas d'urgence, les systèmes d'information et de recherche seront, dans la mesure du possible, accessibles à partir de notre site Web; toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre page d'interruptions des services lorsque ceux-ci seront disponibles et si les circonstances le permettent.

7. Procedures when CIPO is open for business but clients are unable to communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open for business but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of $125 may be required in certain cases.

CIPO notes that Bill C-59 – Budget Implementation Act 2015, which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 $ peut être exigé dans certains cas.

L'OPIC souligne que le projet de loi C-59 – Loi d'exécution du budget 2015, qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act
- Patent Rules
- Regulations under the PCT
- Trade-marks Regulations

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
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- Règlement d'exécution du PCT
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of February 20, 2018 contains applications open to public inspection from February 4, 2018 to February 10, 2018.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 20 février 2018 contient les demandes disponibles au public pour consultation pour la période du 4 février 2018 au 10 février 2018.

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[54] **EVENT DE FAITAGE ET TOIT VENTILE AINSI EQUIPE**
[72] HOLLAND, ROBERT BRADLEY, US
[72] LINDAHL, ANDREW FREDERICK, US
[73] AIR VENT, INC., US
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[54] **DISPOSITIF ET PROCEDE POUR L'IMPRESSION ET LE SECHAGE DE FILMS EN MATIERE PLASTIQUE**
[72] ENGELMANN, VOLKER, DE
[73] RPC BEBO PRINT PATENT GMBH, DE
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[54] **EXPANDABLE BALL SEAT**
[54] **SIEGE DE ROTULE EXPANSIBLE**
[72] BRAEKKE, KRISTOFFER, NO
[72] LUNDE, GEIR, NO
[72] ANTONSEN, ROGER, NO
[73] I-TEC AS, NO
[86] (2731511)
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[54] **COMBINAISON D'UN DETECTEUR DE CRETE DE COURANT ALTERNATIF/COURANT CONTINU ET D'UN DISCRIMINATEUR DE TYPE SIGNAL**
[72] BARSKY, LEV MICHAEL, US
[73] SIEMENS INDUSTRY, INC., US
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[54] **THE SYSTEM AND METHOD OF CONTACTLESS AUTHORIZATION OF A PAYMENT**
[54] **SYSTEME ET PROCEDE D'AUTORISATION SANS CONTACT D'UN PAIEMENT**
[72] FLOREK, MIROSLAV, SK
[72] MASARYK, MICHAL, SK
[73] SMK-LOGOMOTION CORPORATION, JP
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[54] **PROCESS FOR THE PREPARATION OF AMINE-AMIDE-FUNCTIONAL SILOXANES**
[54] **PROCEDE DE PREPARATION DE SILOXANES A FONCTIONS AMINES/AMIDES**
[72] FERENZ, MICHAEL, DE
[72] MUND, CHRISTIAN, DE
[72] KNOTT, WILFRIED, DE
[72] SILBER, STEFAN, DE
[73] EVONIK DEGUSSA GMBH, DE
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[54] **BATTERY BACKED POWER-OVER-ETHERNET SYSTEM**
[54] **SYSTEME D'ALIMENTATION SUR ETHERNET A BATTERIE DE SECOURS**
[72] MOLLER, JEREMY G., GB
[72] QUAIL, IVAN, GB
[72] REDPATH, GEORGE J., GB
[72] TAGGART, MARK R. J., GB
[73] SENSORMATIC ELECTRONICS, LLC, US
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[54] **METHOD OF EVALUATING ORAL CANCER RISK IN HUMAN**
[54] **PROCEDE D'EVALUATION DU RISQUE D'UN CANCER DE LA BOUCHE CHEZ UN HUMAIN**
[72] CHAUBRON, FRANCK, FR
[73] INSTITUT CLINIDENT, FR
[85] 2011-02-04
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[54] **SELF-CLIMBING PERIMETRIC PROTECTION SYSTEM FOR CONSTRUCTION WORKS IN BUILDINGS**
[54] **SYSTEME DE PROTECTION POUR OUVRIERS EFFECTUANT DES TRAVAUX DE CONSTRUCTION NECESSITANT DE GRIMPER DE FACON AUTONOME SUR LE POURTOUR D'IMMEUBLES**
[72] ITURBE BERISTAIN, ENEKO, ES
[72] RODRIGUEZ HIDALGO, MONICA, ES
[72] ZULOAGA AGIRREBALTZATEGI, ARITZ, ES
[72] IMANOL FLORES GANUZA, FLORES, ES
[73] ULMA C Y E, S. COOP., ES
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[54] **METHOD AND APPARATUS FOR IMPROVING THE DAMAGE-RESISTANCE OF CONTAINER BODY TOP RAILS**
[54] **PROCEDE ET APPAREIL PERMETTANT D'AMELIORER LA RESISTANCE AUX DOMMAGES DES LONGERONS SUPERIEURS DE CONTENEUR**
[72] HAIRE, ANDREW RALPH, US
[72] CAYSE, RUSSELL EVAN, US
[73] ENTERPRISE HOLDINGS, INC., US
[86] (2733978)
[87] (2733978)
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[54] **MANDRIN GONFLABLE**
[72] SCHIBSBYE, KARSTEN, DK
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **ISOLATED MULTI-NETWORK COMPUTER SYSTEM AND APPARATUS**
[54] **SYSTEME ET APPAREIL INFORMATIQUES MULTIRESEAUX ISOLES**
[72] SOFFER, AVIV, IL
[72] VAISBAND, OLEG, IL
[73] HIGH SEC LABS, IL
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[54] **METHOD OF BUILDING A HYBRID TOWER FOR A WIND GENERATOR**
[54] **PROCEDE DE CONSTRUCTION D'UNE TOUR HYBRIDE POUR UNE EOLIENNE**
[72] HUYNH TUONG, ALAIN, FR
[72] MELEN, BENOIT, FR
[73] SOLETANCHE FREYSSINET, FR
[86] (2735625)
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[54] **NOUVEAUX INHIBITEURS**
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[72] DEMUTH, HANS-ULRICH, DE
[72] HAMANN, ANTJE, DE
[72] HEISER, ULRICH, DE
[72] HOFFMANN, TORSTEN, DE
[72] SOMMER, ROBERT, DE
[72] THORMANN, MICHAEL, DE
[72] TREML, ANDREAS, DE
[72] GAERTNER, ULF-TORSTEN, DE
[73] PROBIODRUG AG, DE
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[54] **COMPOSES DE PYRAZOLE POUR LA LUTTE CONTRE DES PARASITES INVERTEBRES**
[72] GROSS, STEFFEN, DE
[72] KOERBER, KARSTEN, DE
[72] VON DEYN, WOLFGANG, DE
[72] KAISER, FLORIAN, DE
[72] DESHMUKH, PRASHANT, DE
[72] DICKHAUT, JOACHIM, DE
[72] LE VEZOUET, RONAN, DE
[72] SOERGEL, SEBASTIAN, DE
[72] POHLMAN, MATTHIAS, DE
[72] ANSPAUGH, DOUGLAS D., US
[72] CULBERTSON, DEBORAH L., US
[72] OLOUMI-SADEGHI, HASSAN (DECEASED), US
[73] BASF SE, DE
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[54] **ICE-PARTICLE SPRAY GENERATING DEVICE FOR SNOW VEHICLES**
[54] **DISPOSITIF DE PRODUCTION DE PARTICULES DE GLACE PULVERISEES POUR VEHICULES A NEIGE**
[72] BEAUDOIN, DENIS, CA
[73] INVESTISSEMENTS D. BEAUDOIN INC., CA
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[54] **FACTOR IX POLYPEPTIDE MUTANT, ITS USES AND A METHOD FOR ITS PRODUCTION**
[54] **MUTANT POLYPEPTIDIQUE DU FACTEUR IX, SES UTILISATIONS ET METHODE POUR SA PRODUCTION**
[72] SIMIONI, PAOLO, IT
[73] UNIQURE BIOPHARMA B.V., NL
[85] 2011-03-11
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[54] **RECOMBINANT PROTEINS HAVING HAEMOSTATIC ACTIVITY AND CAPABLE OF INDUCING PLATELET AGGREGATION**
[54] **PROTEINES RECOMBINANTES AYANT UNE ACTIVITE HEMOSTATIQUE ET CAPABLES D'INDUIRE L'AGREGATION DE PLAQUETTES**
[72] VANDROUX, DAVID, FR
[72] DE MAISTRE, EMMANUEL, FR
[72] PROST, EDOUARD, FR
[73] CENTRE HOSPITALIER UNIVERSITAIRE DE DIJON, FR
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[54] **CASEMENT WINDOW HINGE WITH REDUCED SASH-SAG**
[54] **CHARNIERE DE FENETRE A BATTANTS CONCUE POUR REDUIRE LE FLECHISSEMENT DU CHASSIS**
[72] LA SEE, JACK C., US
[73] LA SEE, JACK C., US
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[54] **A LUBRICATING OIL ADDITIVE COMPOSITION AND METHOD OF MAKING THE SAME**
[54] **COMPOSITION D'ADDITIF POUR HUILE LUBRIFIANTE ET PROCEDE POUR LA PREPARER**
[72] WALKER, DEANE S., US
[73] CHEVRON ORONITE COMPANY LLC, US
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[54] **TRANSPARENT BREATHABLE POLYURETHANE FILM FOR TATTOO AFTERCARE AND METHOD**
[54] **FILM DE POLYURETHANE TRANSPARENT ET PERMEABLE A L'AIR POUR LES SOINS POST-TATOUAGE ET PROCEDE**
[72] MCCLERNON, PATRICK F., US
[72] BLETTE, RUSSELL, US
[72] DEARINGER, DONNA, US
[73] TATUYOU, LLC, US
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[54] **SYSTEME D'EAU POTABLE POUR AERONEF**
[72] HU, JIN, US
[73] GOODRICH CORPORATION, US
[86] (2741275)
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[54] **PORPHYRIN COMPOUNDS AND THEIR USE IN THE KILLING, INHIBITION OR PREVENTION OF MICROBIAL BIOFILM GROWTH**
[54] **COMPOSES DE PORPHYRINE ET LEUR UTILISATION EN VUE DE TUER, EMPECHER OU PREVENIR LA CROISSANCE DE BIOFILM MICROBIEN**
[72] LOVE, WILLIAM GUY, GB
[72] RHYS-WILLIAMS, WILLIAM, GB
[73] DESTINY PHARMA LIMITED, GB
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[54] **ADJUSTABLE PUNCH ASSEMBLIES AND ASSOCIATED ADJUSTMENT METHODS**
[54] **ENSEMBLES PERFORATEURS REGLABLES ET PROCEDES ASSOCIES DE REGLAGE**
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[72] STRAKA, GORDON A., US
[73] WILSON TOOL INTERNATIONAL, INC., US
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[54] **SWING SUPPORT MOBILIZATION LIFT**
[54] **APPAREIL DE LEVAGE A SUPPORT PIVOTANT ET BRAS MOBILES**
[72] ARENSDORF, BRAD, US
[72] THOMPSON, TROY, US
[72] THOMPSON, WILLIAM, US
[73] MOBEX OF NORTH FLORIDA, INC., US
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[54] **APPARATUS FOR EVACUATING CONTAMINANTS AND WATER VAPOR FROM AN AREA ABOVE A SWIMMING POOL**
[54] **APPAREIL SERVANT A EVACUER LES POLLUANTS ET LA VAPEUR D'EAU D'UNE ZONE SITUEE AU-DESSUS D'UNE PISCINE**
[72] BAKER, DONALD CYRUS, US
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[54] **MECANISME DE FERMETURE DECORATIF POUR CERCUEIL**
[72] ROJDEV, ILJA, US
[73] BATESVILLE SERVICES, INC., US
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[54] **DIAGNOSTIC TRANSCRIPT AND SPLICE PATTERNS OF HPV16 IN DIFFERENT CERVICAL LESIONS**
[54] **TRANSCRIT A DES FINS DE DIAGNOSTIC, ET MODELES D'EPISSURES DE HPV16 DANS DIFFERENTES LESIONS CERVICALES**
[72] SCHMITT, MARKUS, DE
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[54] **SYSTEME DE BATTERIE SECONDAIRE**
[72] YASUTOMI, SEI, JP
[72] BANDO, MATSUO, JP
[72] TAMAKOSHI, TOMIO, JP
[73] JAPAN WIND DEVELOPMENT CORPORATION LTD., JP
[73] NGK INSULATORS, LTD., JP
[73] TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION, JP
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[54] **IMIDAZOPYRAZINE SYK INHIBITORS**
[54] **INHIBITEURS D'IMIDAZOPYRAZINE SYK**
[72] MITCHELL, SCOTT A., US
[72] CURRIE, KEVIN S., US
[72] BLOMGREN, PETER A., US
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[72] LEE, SEUNG H., US
[72] XU, JIANJUN, US
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[54] **PLAFOND A SUSPENSION CACHEE AVEC PANNEAUX AMOVIBLES VERS LE BAS**
[72] LALONDE, PAUL D., US
[73] USG INTERIORS, LLC, US
[85] 2011-06-09
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[54] **PROCESSING BLOOD**
[54] **TRAITEMENT DU SANG**
[72] MACPHERSON, JANET LESLEY, AU
[72] PERITT, DAVID, US
[72] HENRICHSEN, KEVIN, US
[72] SYMONDS, GEOFFREY PHILLIP, AU
[72] POND, SUSAN, AU
[72] WONG, PHILIP, AU
[73] THERAKOS, INC., US
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[72] MARGARUCCI, SABRINA, IT
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[72] FERGER BORN PICARD, VERONIQUE, FR
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[54] **PROCEDE ET DISPOSITIF DE DETECTION ET D'ANALYSE AMELIOREES D'ACTIVITE DE DECHARGE PARTIELLE DANS ET AUTOUR D'UN EQUIPEMENT ELECTRIQUE HAUTE TENSION**
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[54] **PROCEDES POUR LA RECUPERATION D'HYDROGENE DE GRANDE PURETE ET DE DIOXYDE CARBONE DE GRANDE PURETE**
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[72] FAIR, GLENN, US
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[54] **PROCEDE DE FABRICATION D'UNE PIECE METALLIQUE INCORPORANT UN RENFORT ANNULAIRE FIBREUX**
[72] DUNLEAVY, PATRICK, FR
[72] FRANCHET, JEAN-MICHEL PATRICK MAURICE, FR
[72] KLEIN, GILLES CHARLES CASIMIR, FR
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[54] **DISPOSITIF DE CIRCONCISION ET PROCEDE DE CIRCONCISION DE MASSE**
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[54] **PORPHYRANASES ET LEUR UTILISATION POUR HYDROLYSER DES POLYSACCHARIDES**
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[72] CORREC, GAEELLE, FR
[72] MICHEL, GURVAN, FR
[72] BARBEYRON, TRISTAN, FR
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[54] **SYSTEME INTEGRE D'ADMINISTRATION VASCULAIRE**
[72] WHITE, STEVEN B., US
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[72] FORTUNE, THOMAS R., JR., US
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[54] **PROCEDE D'OBTENTION DE CHEWING-GUMS PAR REMPLACEMENT DU TALC PAR DES AGGLOMERATS DE CRISTAUX**
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[72] LEFEVRE, PHILIPPE, FR
[72] LIS, JOSE, FR
[72] ORTIZ DE ZARATE, DOMINIQUE, FR
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[72] DUPUIS, DAVID, FR
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[54] **COMPOSITIONS ET METHODES POUR LA RECUPERATION D'ACIDES NUCLEIQUES OU DE PROTEINES A PARTIR D'ECHANTILLONS DE TISSUS FIXES DANS DES MILIEUX DE CYTOLOGIE**
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[54] **ELEMENT DE FIXATION, DISPOSITIF DESTINE A IMMOBILISER UN OBJET ET METHODE D'IMMOBILISATION D'UNE PARTIE DU CORPS AU MOYEN DE L'ELEMENT DE FIXATION**
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[72] JENSEN, FLEMMING REISSIG, DK
[72] METZLER, BETTINA, DK
[72] BERTELSEN, MARTIN BUE, DK
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[72] LI, FENGFU, CA
[73] OTTAWA HOSPITAL RESEARCH INSTITUTE, CA
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[54] **DERIVES D'AMINE PYRAZOL TRICYCLIQUES COMME INHIBITEURS DE PI3K**
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[72] JEANCLAUDE-ETTER, ISABELLE, CH
[72] POMEL, VINCENT, FR
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[54] **DISTRIBUTEUR DE FLUIDE**
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[72] KLAUS, JOHN, US
[72] CHRISTENSEN, DAVID, US
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[73] DEPUY SYNTHES PRODUCTS, INC., US
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[54] **OXYDE COMPLEXE, SON PROCEDE DE PRODUCTION ET CATALYSEUR DE PURIFICATION DE GAZ D'ECHAPPEMENT**
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[72] COLVER, PATRICK JAMES, GB
[72] CHAHAL, SURINDER PALL, GB
[73] CRODA INTERNATIONAL PLC, GB
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[72] WAGGER, KLAUS, IT
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[54] **DERIVES DE 2-ARYLIMIDAZOLE EN TANT QU'INHIBITEURS DE L'ENZYME PDE10A**
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[72] NIELSEN, JACOB, DK
[72] KEHLER, JAN, DK
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[54] **ATTACHE DE REMORQUE PLIABLE**
[72] BERNARD, RENE, CA
[73] REMORQUES APOGEE INC., CA
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[54] **FILTERS COMPRISING AN ACTIVATED CARBON PARTICLE COATED WITH PDADMAC AND METHODS OF MAKING SAME**
[54] **FILTRES COMPRENANT DES PARTICULES DE CHARBON ACTIF REVETUES DE PDADMAC, ET LEUR PROCEDE DE FABRICATION**
[72] PEARKS, ANDREW THOMAS, US
[72] ONONYE, ALOYSIUS IKE, US
[72] MITCHELL, MICHAEL DONOVAN, US
[72] COLLIAS, DIMITRIS IOANNIS, US
[72] BJORKQUIST, DAVID WILLIAM, US
[72] BEERSE, PETER WILLIAM, US
[73] HELEN OF TROY LIMITED, BB
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[54] **REAR-CONTACT HETEROJUNCTION PHOTOVOLTAIC CELL**
[54] **CELLULE PHOTOVOLTAIQUE HETEROJONCTION A CONTACT ARRIERE**
[72] ROCA I CABARROCAS, PERE, FR
[72] LABRUNE, MARTIN, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] ECOLE POLYTECHNIQUE, FR
[73] TOTAL MARKETING SERVICES, FR
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[51] **Int.Cl. A61H 5/00 (2006.01) A61B 3/113 (2006.01)**
[25] FR
[54] **DEVICE FOR CAUSING AND/OR REHABILITATING BINOCULAR MOTIVITY OF A PATIENT**
[54] **DISPOSITIF D'ENTRAINEMENT ET/OU DE REEDUCATION DE LA MOTRICITE BINOCULAIRE D'UN PATIENT**
[72] KAPOULA, ZOI, FR
[72] YANG, QING, FR
[72] EGGERT, THOMAS, DE
[72] DAUNYS, GINTAUTAS, LT
[72] ORSSAUD, CHRISTOPHE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
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[13] C
[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/136 (2010.01) H01M 4/58 (2010.01)**
[25] EN
[54] **METHOD FOR IMPROVING THE ELECTROCHEMICAL PERFORMANCES OF AN ALKALI METAL OXYANION ELECTRODE MATERIAL AND ALKALI METAL OXYANION ELECTRODE MATERIAL OBTAINED THEREFROM**
[54] **PROCEDE POUR AMELIORER LES PERFORMANCES ELECTROCHIMIQUES D'UN MATERIAU D'ELECTRODE POUR OXYANION METALLIQUE ALCALIN ET MATERIAU D'ELECTRODE POUR OXYANION METALLIQUE ALCALIN OBTENU A PARTIR DE CELUI-CI**
[72] LIANG, GUOXIAN, CA
[72] DUFOUR, JASMIN, CA
[72] GAUTHIER, MICHEL, CA
[72] RAVET, NATHALIE, CA
[72] GEOFFROY, DENIS, CA
[73] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
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[51] **Int.Cl. B64C 11/26 (2006.01) B64C 27/473 (2006.01)**
[25] FR
[54] **AIRCRAFT PROPELLER BLADE**
[54] **PALE D'HELICE D'AERONEF**
[72] COUPE, DOMINIQUE, FR
[72] DAMBRINE, BRUNO JACQUES GERARD, FR
[72] MAHIEU, JEAN NOEL, FR
[73] SNECMA, FR
[85] 2012-06-14
[86] 2010-12-20 (PCT/FR2010/052829)
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[25] EN
[54] **OPHTHALMIC LENS, SYSTEMS AND METHODS WITH ANGULAR VARYING PHASE DELAY**
[54] **LENTILLE OPHTALMIQUE, SYSTEMES ET PROCEDES DOTES D'UN RETARD DE PHASE VARIABLE ET ANGULAIRE**
[72] WEEBER, HENDRIK A., NL
[72] CATLIN, SCOTT L., US
[73] AMO GRONINGEN B.V., US
[85] 2012-06-15
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[54] **DIRECT AQUEOUS PHASE REFORMING OF BIO-BASED FEEDSTOCKS**
[54] **REFORMAGE EN PHASE AQUEUSE DIRECT DE CHARGES D'ORIGINE BIOLOGIQUE**
[72] CHHEDA, JUBEN NEMCHAND, US
[72] POWELL, JOSEPH BROUN, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **AIGUILLE DE BRACHYTHERAPIE CONTREVENTEE**
[72] CHISHOLM, ROBERT F., US
[72] REED, JAY, US
[72] HELLE, KEVIN, US
[73] MEDI-PHYSICS, INC., US
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[25] EN
[54] **PROCESS FOR THE PRODUCTION OF CHLORINE DIOXIDE**
[54] **PROCEDE DE PRODUCTION DE DIOXYDE DE CHLORE**
[72] PELIN, KALLE HANS THOMAS, SE
[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2012-06-21
[86] 2011-01-14 (PCT/EP2011/050430)
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[25] EN
[54] **TURBOFAN ENGINE WITH HP AND LP POWER OFF-TAKES**
[54] **MOTEUR A REACTEUR A DOUBLE FLUX AYANT PRISES DE MOUVEMENT HAUTE PRESSION ET BASSE PRESSION**
[72] RESS, ROBERT A., JR., US
[72] GODLESKI, TODD ANTHONY, US
[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[85] 2012-06-28
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[25] EN
[54] **LIGHTWEIGHT BREAST IMPLANT MATERIAL**
[54] **MATERIAU LEGER POUR IMPLANT MAMMAIRE**
[72] DVIR, HAIM, IL
[72] GOVREEN-SEGAL, DAEL, IL
[73] G & G BIOTECHNOLOGY LTD, IL
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[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING PAPER OR CARDBOARD BOX LIDS AND/OR BOX BOTTOMS**
[54] **PROCEDE ET DISPOSITIF POUR FABRIQUER DES COUVERCLES DE BOITE ET/OU DES FONDS DE BOITE EN PAPIER OU EN CARTON**
[72] DEMUSS, LUTZ, DE
[73] MOHRBACH VERPACKUNGSMASCHINEN GMBH, DE
[85] 2012-07-05
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[51] **Int.Cl. A47J 31/36 (2006.01) B65D 85/804 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **METHOD FOR PROVIDING INFORMATION TO A USER FROM A CAPSULE FOR THE PREPARATION OF A BEVERAGE USING A CODE**
[54] **PROCEDE DE COMMUNICATION D'INFORMATIONS A UN UTILISATEUR A PARTIR D'UNE CAPSULE DE PREPARATION D'UNE BOISSON A L'AIDE D'UN CODE**
[72] ROGNON, VINCENT, CH
[72] EPARS, YANN, CH
[72] DENISART, JEAN-LUC, CH
[73] NESTEC S.A., CH
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[54] **LANDING GEAR**
[54] **TRAIN D'ATTERRISSAGE**
[72] BENNETT, IAN, GB
[73] MESSIER-DOWTY LIMITED, GB
[85] 2012-07-05
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[25] EN
[54] **FUMAGILLOL TYPE COMPOUNDS AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSES DE TYPE FUMAGILLOL, ET PROCEDES CORRESPONDANTS DE FABRICATION ET D'UTILISATION**
[72] VATH, JAMES E., US
[73] ZAFGEN, INC., US
[85] 2012-07-06
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[25] EN
[54] **SPREADER COMPONENT FOR A DRAGLINE EXCAVATOR**
[54] **ELEMENT ECARTEUR POUR PELLE A BENNE TRAINANTE**
[72] ATTWOOD, REECE, AU
[73] BRADKEN RESOURCES PTY LIMITED, AU
[85] 2012-07-11
[86] 2011-01-19 (PCT/AU2011/000057)
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[51] **Int.Cl. A61K 36/16 (2006.01) A61K 36/19 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ANDROGRAPHIS PANICULATA AND GINKGO BILOBA EXTRACTS COMPLEXED WITH PHOSPHOLIPIDS**
[54] **COMPOSITIONS RENFERMANT DES EXTRAITS D'ANDROGRAPHIS PANICULATA ET DE GINKGO BILOBA COMPLEXES AVEC DES PHOSPHOLIPIDES**
[72] BOMBARDELLI, EZIO, IT
[72] GIORI, ANDREA, IT
[73] INDENA S.P.A., IT
[85] 2012-07-11
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[87] (WO2011/086007)
[30] IT (MI2010A000019) 2010-01-12

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[51] **Int.Cl. A61B 5/00 (2006.01) A61F 2/02 (2006.01) A61M 5/172 (2006.01)**
[25] FR
[54] **SENSOR FOR MEASURING THE ACTIVITY OF .BETA.-PANCREATIC CELLS OR OF ISLETS OF LANGERHANS, MANUFACTURE AND USE OF SUCH A SENSOR**
[54] **CAPTEUR POUR LA MESURE DE L'ACTIVITE DES CELLULES .BETA.-PANCREATIQUES OU DES ILOTS DE LANGERHANS, FABRICATION ET UTILISATION D'UN TEL CAPTEUR**
[72] LANG, JOCHEN, FR
[72] CATARGI, BOGDAN, FR
[72] RENAUD, SYLVIE, FR
[72] RAOUX, MATTHIEU, FR
[72] CHARPENTIER, GILLES, FR
[72] BORNAT, YANNICK, FR
[73] UNIVERSITE DE BORDEAUX 1, FR
[73] INSTITUT POLYTECHNIQUE DE BORDEAUX, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[73] UNIVERSITE BORDEAUX SEGALEN, FR
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[54] **MODULAR NUCLEAR FISSION WASTE CONVERSION REACTOR**
[54] **REACTEUR DE CONVERSION DE DECHETS DE FISSION NUCLEAIRE MODULAIRE**
[72] BAXTER, ALAN M., US
[72] CHOI, HANGBOK, US
[72] SCHLEICHER, ROBERT W., US
[73] GENERAL ATOMICS, US
[85] 2012-07-16
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[30] US (61/301,554) 2010-02-04
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[51] **Int.Cl. H01J 49/06 (2006.01) H01J 49/42 (2006.01)**
[25] EN
[54] **MASS TO CHARGE RATIO SELECTIVE EJECTION FROM ION GUIDE HAVING SUPPLEMENTAL RF VOLTAGE APPLIED THERETO**
[54] **EJECTION, SELECTIVE SUR BASE DU RAPPORT MASSE/CHARGE, A PARTIR D'UN GUIDE D'IONS AUQUEL EST APPLIQUEE UNE TENSION RADIOFREQUENCE D'APPOINT**
[72] HOYES, JOHN BRIAN, GB
[72] KENNY, DANIEL JAMES, GB
[72] LANGRIDGE, DAVID, GB
[73] MICROMASS UK LIMITED, GB
[85] 2012-07-18
[86] 2011-01-18 (PCT/GB2011/050073)
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[30] GB (1000852.2) 2010-01-19
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[51] **Int.Cl. A61J 15/00 (2006.01) A61B 5/03 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE OF DETECTING AND/OR BLOCKING REFLUX**
[54] **PROCEDE ET DISPOSITIF DE DETECTION ET/OU DE BLOCAGE DE REFLUX**
[72] ELIA, LIRON, IL
[72] LILACH, NIR, IL
[72] ELIACHAR, ELIAHU, IL
[73] ART HEALTHCARE LTD., IL
[85] 2012-07-25
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[51] **Int.Cl. G07D 3/14 (2006.01)**
[25] EN
[54] **COIN PROCESSING MACHINE WITH DUAL SETS OF COIN SENSORS**
[54] **MACHINE DE TRAITEMENT DE LA MONNAIE DOTEE DE DEUX ENSEMBLES DE DETECTEURS DE MONNAIE**
[72] STRING, GREGORY F., US
[73] STRING, GREGORY F., US
[86] (2788216)
[87] (2788216)
[22] 2012-08-29
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[51] **Int.Cl. A41D 1/06 (2006.01) A41D 27/00 (2006.01) A41D 27/06 (2006.01)**
[25] EN
[54] **PANTYHOSE WITH ASYMMETRICAL PANTY**
[54] **COLLANT DOTE D'UNE CULOTTE ASYMETRIQUE**
[72] BAKKER, WILLEM, NL
[72] MAGGI, DANIELE, IT
[72] PERRON, MAURICE, FR
[73] INVISTA TECHNOLOGIES S.A.R.L., CH
[85] 2012-08-02
[86] 2011-01-24 (PCT/US2011/022233)
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[30] US (61/300,661) 2010-02-02

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[51] **Int.Cl. A01N 37/38 (2006.01) A01N 35/04 (2006.01) A01N 37/34 (2006.01) A01N 37/52 (2006.01) A01N 41/06 (2006.01) A01N 43/30 (2006.01) A01N 43/32 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/42 (2006.01) A01N 43/56 (2006.01) A01N 47/20 (2006.01) A01N 57/12 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **PLANT FUNGAL DISEASE CONTROLLING COMPOSITION CONTAINING MANDESTROBIN AND A FUNGICIDAL COMPOUND AND METHOD FOR CONTROLLING PLANT FUNGAL DISEASES**
[54] **COMPOSITION POUR LUTTER CONTRE LES MALADIES FONGIQUES DES PLANTES CONTENANT DE LA MANDESTROBINE ET UN COMPOSE FONGICIDE ET PROCEDE POUR LUTTER CONTRE LES MALADIES FONGIQUES DES PLANTES**
[72] KIGUCHI, SO, JP
[72] TANAKA, SOICHI, JP
[72] OZAWA, MAYUKO, JP
[72] IWATA, ATSUSHI, JP
[73] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2012-08-15
[86] 2011-03-02 (PCT/JP2011/055438)
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[51] **Int.Cl. F01D 25/16 (2006.01) F01D 9/04 (2006.01)**
[25] FR
[54] **FLEXIBLE REAR BEARING MOUNTING, HAVING AN ABUTMENT, FOR A TURBINE ENGINE**
[54] **SUPPORT DE PALIER ARRIERE SOUPLE AVEC BUTEE POUR TURBOMACHINE**
[72] DIJOUD, MARC MAURICE, FR
[72] SAHORES, JEAN-LUC PIERRE, FR
[72] CASAUX-BIC, JEAN-MAURICE, FR
[73] TURBOMECA, FR
[85] 2012-08-16
[86] 2011-02-24 (PCT/FR2011/050390)
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[25] EN
[54] **AIRCRAFT RADIO SYSTEM**
[54] **SYSTEME RADIO D'AERONEF**
[72] BADDOO, GEOFFREY JAMES AKWEI, GB
[72] NAYLOR, MICHAEL, GB
[72] MYERS, ANDREW PETER, GB
[73] THALES HOLDINGS UK PLC, GB
[85] 2012-08-17
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[54] **OIL FORMULATIONS COMPRISING CYLCOPROPENE COMPOUNDS**
[54] **FORMULES D'HUILE COMPRENANT DES CYCLOPROPENES**
[72] JACOBSON, RICHARD, US
[72] ZHEN, YUEQIAN, US
[73] AGROFRESH INC., US
[85] 2012-08-27
[86] 2011-02-09 (PCT/US2011/024120)
[87] (WO2011/109144)
[30] US (61/309,073) 2010-03-01

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[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **AUTOMATIC SUTURING APPARATUS AND METHODS OF USE**
[54] **APPAREIL DE SUTURE AUTOMATIQUE ET SES PROCEDES D'UTILISATION**
[72] BADHWAR, VINAY, US
[73] BADHWAR, VINAY, US
[85] 2012-09-10
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[87] (WO2011/137252)
[30] US (61/329,340) 2010-04-29

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[51] **Int.Cl. B60R 19/54 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CASTER OBSTACLE MANAGEMENT**
[54] **SYSTEMES ET PROCEDES POUR NEGOCIER UN OBSTACLE DE ROULETTE**
[72] NGUYEN, LONG Q., US
[72] BAIR, CASSILYN, US
[72] BAUEN, DANIEL, US
[72] DAVIS, LAWRENCE E., US
[73] ALCON RESEARCH, LTD., US
[85] 2012-09-18
[86] 2011-01-31 (PCT/US2011/023103)
[87] (WO2011/126596)
[30] US (61/321,627) 2010-04-07

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[51] **Int.Cl. G01N 33/542 (2006.01) C07K 14/705 (2006.01) C12N 15/10 (2006.01)**
[25] FR
[54] **TOOLS FOR THE IDENTIFICATION OF LINGO-1, LINGO-2, LINGO-3 AND LINGO-4, LIGANDS, AND USES THEREOF**
[54] **OUTILS POUR L'IDENTIFICATION DE LIGANDS DE LINGO-1, LINGO-2, LINGO-3 ET LINGO-4, ET UTILISATIONS**
[72] MORISSET-LOPEZ, SEVERINE, FR
[72] BENEDETTI, HELENE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS, FR
[85] 2012-09-19
[86] 2011-04-01 (PCT/FR2011/050743)
[87] (WO2011/121257)
[30] FR (1001374) 2010-04-01

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[13] C
[51] **Int.Cl. A61K 38/45 (2006.01) A61K 8/66 (2006.01) A61K 8/98 (2006.01) A61K 35/44 (2015.01) A61P 9/00 (2006.01) A61Q 19/08 (2006.01)**
[25] FR
[54] **PROANGIOGENIC COMPOSITIONS, METHOD FOR PREPARING SAME, AND USES THEREOF**
[54] **COMPOSITIONS PROANGIOGENIQUES, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS**
[72] TOBELEM, GERARD, FR
[72] SILVESTRE, JEAN-SEBASTIEN, FR
[73] INSTITUT DES VAISSEAUX ET DU SANG, FR
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[54] **METHODS FOR CONDUCTING GENETIC ANALYSIS USING PROTEIN POLYMORPHISMS**
[54] **PROCEDES POUR CONDUIRE UNE ANALYSE GENETIQUE UTILISANT LE POLYMORPHISME DE PROTEINE**
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[73] PARKER PROTEOMICS, LLC, US
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[54] **PHASE SHIFT CONTROLLER FOR A RECIPROCATING PUMP SYSTEM**
[54] **DISPOSITIF DE COMMANDE DE CHANGEMENT DE PHASE POUR UN SYSTEME DE POMPE ALTERNATIVE**
[72] VAN RIJSWICK, RUDOLFUS JOHANNES ADELEIDA, NL
[72] VAN OSCH, FELIX JOHANNES JACOBUS, NL
[73] WEIR MINERALS NETHERLANDS B.V., NL
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[54] **CO-CRISTAUX DE PYRIMETHANIL OU DE CYPRODINIL**
[72] GEORGE, NEIL, GB
[72] FORREST, JAMES OWEN, GB
[72] BURTON, REBECCA CLAIRE, GB
[72] AAKEROY, CHRISTER BJORN, US
[73] SYNGENTA LIMITED, GB
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[54] **CONVERTISSEUR RESONANT A DEUX ETAGES**
[72] LIU, MARTIN, CN
[73] FLEXTRONICS AP, LLC, US
[85] 2012-10-17
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[25] EN
[54] **AUTOMATED SOCIAL NETWORKING GRAPH MINING AND VISUALIZATION**
[54] **RECHERCHE ET VISUALISATION DE GRAPHES DE RESEAUX SOCIAUX AUTOMATISES**
[72] NIE, ZAIQING, US
[72] CAO, YONG, US
[72] LUO, GANG, US
[72] ZHANG, RUOCHI, US
[72] LIU, XIAOJIANG, US
[72] MA, YUNXIAO, US
[72] ZHANG, BO, US
[72] XU, YING-QING, US
[72] WEN, JI-RONG, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **ENTERIC TABLET**
[54] **COMPRIME A DELITAGE INTESTINAL**
[72] MISAKI, MASAFUMI, JP
[72] TSUSHIMA, YUKI, JP
[72] NIWA, MASAHIRO, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[25] EN
[54] **METHOD FOR IMPROVING THE HEAT SEALABILITY OF PACKAGING MATERIAL AND METHOD FOR MANUFACTURING HEAT-SEALED CONTAINER OR PACKAGE**
[54] **PROCEDE D'AMELIORATION DE L'APTITUDE AU THERMOSCELLAGE D'UN MATERIAU D'EMBALLAGE ET PROCEDE DE FABRICATION D'UN RECIPIENT OU EMBALLAGE THERMOSCELLE**
[72] PENTTINEN, TAPANI, FI
[72] NEVALAINEN, KIMMO, FI
[72] KUUSIPALO, JURKKA, FI
[72] KOSKINEN, TAPIO, FI
[72] KOTKAMO, SAMI, FI
[73] STORA ENSO OYJ, FI
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[54] **FORET MULTIFONCTIONS A CANNELURE O**
[72] BOMIREDDY, KRISHNA SUMANTH REDDY, US
[72] HOLBA, JOHN, US
[73] ROBERT BOSCH GMBH, DE
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[54] **SYSTEME DE SIEGE POUR ENTREE FACILE AYANT UNE MEMOIRE DE POSITION UNIQUE ET UNE FONCTION DE RETENUE EN POSITION OUVERTE**
[72] NGIAU, CHRISTOPHER, US
[72] CARROLL, JEFFREY P., US
[72] CALHOUN, JONATHAN A., US
[73] MAGNA SEATING INC., CA
[85] 2012-11-13
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[54] **SINK BASE CABINET**
[54] **ARMOIRE DE BASE D'EVIER**
[72] DENEWETH, DONALD, US
[72] LAFFERTY, SHANNON, US
[72] BROZINA, CHRIS, CA
[73] MASCO CABINETRY LLC, US
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[54] **2 -AMINO- PYRIMIDINE DERIVATIVES USEFUL AS INHIBITORS OF JNK**
[54] **DERIVES DE 2-AMINO-PYRIMIDINE UTILES EN TANT QU'INHIBITEURS DE LA JNK**
[72] ARZENO, HUMBERTO BARTOLOME, US
[72] FILONOVA, LUBOV, US
[72] GOLDSTEIN, DAVID MICHAEL, US
[72] GONG, LEYI, US
[72] LOE, BRADLEY E., US
[72] O'BRIEN, ERIN M., US
[72] PALMER, WYLIE SOLANG, US
[72] ROTSTEIN, DAVID MARK, US
[72] SILVA, TANIA, US
[72] TAN, YUN-CHOU, US
[73] F. HOFFMANN-LA ROCHE AG, CH
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[25] EN
[54] **CARBOXYLIC ACID DERIVATIVES HAVING A 2,5,7-SUBSTITUTED OXAZOLOPYRIMIDINE RING**
[54] **DERIVES D'ACIDE CARBOXYLIQUE A COMPOSE CYCLIQUE OXAZOLOPYRIMIDINE SUBSTITUE EN 2,5,7**
[72] KADEREIT, DIETER, DE
[72] SCHAEFER, MATTHIAS, DE
[72] HACHTEL, STEPHANIE, DE
[72] DIETRICH, AXEL, DE
[72] HUEBSCHLE, THOMAS, DE
[72] GILLE, ANDREAS, DE
[72] HISS, KATRIN, DE
[73] SANOFI, FR
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[25] EN
[54] **GAS BURNER WITH MEANS FOR PREVENTING FLAME PROPAGATION**
[54] **BRULEUR A GAZ DOTE D'UN MOYEN POUR EMPECHER UNE PROPAGATION DE LA FLAMME**
[72] BETTINZOLI, ANGELO, IT
[73] SABAF S.P.A., IT
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[25] EN
[54] **SULFONATED INTERNAL OLEFIN SURFACTANT FOR ENHANCED OIL RECOVERY**
[54] **TENSIOACTIF A OLEFINES INTERNES SULFONE POUR RECUPERATION DE PETROLE AMELIOREE**
[72] HUTCHISON, JOHN C., US
[72] WOLFE, PATRICK SHANE, US
[73] STEPAN COMPANY, US
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[25] FR
[54] **METHOD OF ANALYZING A PLURALITY OF FERROMAGNETIC PARTICLES**
[54] **PROCEDE D'ANALYSE D'UNE PLURALITE DE PARTICULES FERROMAGNETIQUES**
[72] COLLADON, FABRICE, FR
[73] SNECMA, FR
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[54] **SYSTEM AND METHOD FOR PASSING MATTER IN A FLOW PASSAGE**
[54] **SYSTEME ET PROCEDE DE PASSAGE DE LA MATIERE DANS UN CIRCUIT D'ECOULEMENT**
[72] ROLLAND, NILS LENNART, NO
[73] STATOIL PETROLEUM AS, NO
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[25] EN
[54] **TRANSPORT APPARATUS WITH MOVING TRUCKS**
[54] **DISPOSITIF DE TRANSPORT COMPORTANT CHARIOT**
[72] BOEHRER, MANFRED, DE
[73] QUICK MOVE GMBH, DE
[85] 2012-12-05
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[54] **METHOD FOR MANUFACTURING AN ARTICLE MADE OF COMPOSITE MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN ARTICLE EN MATERIAU COMPOSITE**
[72] GUMMEL, MICAH, US
[72] MARCHAL, YANN, US
[72] PHELIPPEAU, ANTOINE, US
[73] SNECMA, FR
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[54] **METHODS FOR THICKENING HYDROPHOBIC LIQUIDS WITH AMPHIPHILIC ESTERS**
[54] **PROCEDES DESTINES A EPAISSIR DES LIQUIDES HYDROPHOBES AVEC DES ESTERS AMPHIPHILES**
[72] JOHN, GEORGE, US
[72] JADHAV, SWAPNIL R., US
[72] VEMULA, PRAVEEN KUMAR, US
[73] RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK, US
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[25] EN
[54] **POWER CONVERSION DEVICE USING A WAVE PROPAGATION MEDIUM AND OPERATING METHOD THEREOF**
[54] **DISPOSITIF DE CONVERSION DE PUISSANCE UTILISANT UN MILIEU DE PROPAGATION DES ONDES ET SON PROCEDE DE FONCTIONNEMENT**
[72] SANDER, SVERKER, SE
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
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[25] FR
[54] **METHOD FOR ALUMINIZING A SURFACE BY MEANS OF THE ADVANCE DEPOSITION OF A PLATINUM AND NICKEL LAYER**
[54] **PROCEDE D'ALUMINISATION D'UNE SURFACE AVEC DEPOT PREALABLE D'UNE COUCHE DE PLATINE ET DE NICKEL**
[72] LAGRANGE, FREDERIC, FR
[72] MANESSE, DENIS, FR
[73] SNECMA, FR
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[54] **CELLULE SOLAIRE A HETEROJONCTION**
[72] BOISVERT, JOSEPH CHARLES, US
[72] LAW, DANIEL C., US
[72] KING, RICHARD R., US
[72] FETZER, CHRISTOPHER M., US
[73] THE BOEING COMPANY, US
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[25] EN
[54] **STARTING SYSTEM FOR INTERNAL COMBUSTION ENGINE**
[54] **SYSTEME DE DEMARRAGE POUR MOTEUR A COMBUSTION INTERNE**
[72] PAYNE, JOHN, US
[72] ACUNA, TRAVIS, US
[72] PIENTKA, MATT, US
[73] MTD PRODUCTS INC., US
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[54] **FORMULATIONS**
[54] **FORMULATIONS**
[72] BELL, GORDON ALASTAIR, GB
[72] WALLER, ANNE, GB
[72] WAILES, JEFFREY STEVEN, GB
[73] SYNGENTA LIMITED, GB
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[54] **PROTHESE DE VALVE ATRIO-VENTRICULAIRE TRANSCATHETER**
[72] WEBER, JOSEF, DE
[73] HIGHLIFE SAS, FR
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[25] EN
[54] **METHOD AND APPARATUS FOR CONTROL OF A SYNCHRONOUS PERMANENT MAGNET MOTOR, PARTICULARLY OVER A LONG CABLE IN A WELL**
[54] **PROCEDE ET APPAREIL DE COMMANDE D'UN MOTEUR SYNCHRONE A AIMANT PERMANENT, NOTAMMENT SUR UN LONG CABLE DANS UN PUITS**
[72] HEAD, PHILIP, GB
[72] MANSIR, HASSAN, GB
[73] ACCESSESP UK LIMITED, GB
[85] 2013-01-17
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[54] **MODULAR HOUSE BUILDING SYSTEM**
[54] **SYSTEME DE CONSTRUCTION D'UNE MAISON MODULAIRE**
[72] LEMIEUX, LUC, CA
[73] LEMIEUX, LUC, CA
[86] (2805886)
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[22] 2013-02-08
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[25] EN
[54] **METHOD AND SYSTEM FOR SETTING QUALITY OF SERVICE FOR A BEARER IN RESPONSE TO AN EMERGENCY EVENT**
[54] **PROCEDE ET SYSTEME PERMETTANT DE DETERMINER LA QUALITE DE SERVICE D'UNE PORTEUSE EN REPONSE A UN EVENEMENT D'URGENCE**
[72] MILLER, TRENT J., US
[72] AGULNIK, ANATOLY, US
[72] EKL, RANDY L., US
[72] MAROCCHI, JAMES A., US
[72] PANDEY, APARNA, US
[72] THOMAS, PETER E., US
[73] MOTOROLA SOLUTIONS, INC., US
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[25] EN
[54] **A CASE FOR ENCLOSING AND REMAINING ATTACHED TO A TABLET-COMPUTING DEVICE**
[54] **BOITIER POUVANT CONTENIR ET RESTER FIXE A UN DISPOSITIF INFORMATIQUE DE TYPE TABLETTE**
[72] MONGAN, RYAN HILL, US
[72] HYNECEK, BRYAN LEE, US
[72] LAW, DAVID JOHN, US
[72] WEIS, JARRET, US
[73] SAMSONITE IP HOLDINGS S.AR.L., LU
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[25] EN
[54] **METHOD FOR AUTOMATED POSITION VERIFICATION**
[54] **PROCEDE DE VERIFICATION DE POSITION AUTOMATISEE**
[72] LE, QUI V., US
[72] BOYNTON, JAYNE L., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2013-02-14
[86] 2010-10-18 (PCT/US2010/052987)
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[30] US (61/382,047) 2010-09-13
[30] US (12/900,819) 2010-10-08

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[25] EN
[54] **MEMBRANE PUMP HAVING AN INERTIALLY CONTROLLED LEAKAGE COMPENSATION VALVE**
[54] **POMPE A MEMBRANE MUNIE D'UNE SOUPAPE DE COMPENSATION DE FUITE COMMANDEE PAR INERTIE**
[72] FRITSCH, HORST, DE
[73] PROMINENT GMBH, DE
[85] 2013-02-14
[86] 2011-08-15 (PCT/EP2011/064045)
[87] (WO2012/025423)
[30] DE (10 2010 039 829.2) 2010-08-26

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[54] **FORMULE PHARMACEUTIQUE OU NUTRACEUTIQUE GASTRO-RESISTANTE COMPRENANT UN OU PLUSIEURS SELS D'ACIDE ALGINIQUE**
[72] BODINGE, SHRADDHA ASHOK, IN
[72] HAKSAR, PRIYANKA BANSILAL, IN
[72] GAWDE, SEEMA YASHWANT, IN
[72] PAGAR, HEMANT KARBHARI, IN
[72] PETERETT, HANS-ULRICH, DE
[73] EVONIK ROEHM GMBH, DE
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[54] **APPAREIL POIGNEE DE CHARGEMENT ET INTERRUPTEUR DE CIRCUIT**
[72] PRINCE, EDWARD, A., US
[72] WEISTER, NATHAN, J., US
[72] SLEPIAN, ROBERT, M., US
[72] PARKS, DAVID, A., US
[72] MUNSCH, WILLIAM, D., US
[73] EATON CORPORATION, US
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[54] **KNOT TYING DEVICE AND CARTRIDGE SYSTEM FOR PROVIDING TYING FILAMENT THERETO**
[54] **DISPOSITIF A NOUER ET SYSTEME DE CARTOUCHE POUR FOURNIR UN FILAMENT DE NOUAGE A CELUI-CI**
[72] CRICHTON, PETER JOHN, US
[72] TWETEN, MONTE DOUGLAS, US
[72] PETERSON, THOMAS, US
[72] DAVIDSON, JAMES, US
[72] ZANTOUT, ALAN, US
[72] BALASUBRAHMANYAM, G., IN
[72] DESOUZA, JOHN, IN
[72] SINGH, PARITOSH, IN
[72] KULKARNI, ALOK, IN
[72] BIRLA, PUNEETKUMAR, IN
[72] PATIL, MANISH B., IN
[72] SHETTIGARA, RAVEESHA, IN
[72] SETH, SACHIN, IN
[72] SHIRSATH, VINODKUMAR SHRAWAN, IN
[72] DIGHE, SAMPAT NAMDEO, IN
[72] MALI, VIKAS, IN
[73] IDEAL INDUSTRIES, INC., US
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[54] **EQUIPEMENT DE PROTECTION RESPIRATOIRE**
[72] HUGGINS, ADRIAN, GB
[72] MONEY, BERNARD ROBERT, GB
[72] SINGH, RAJINDER, GB
[72] STEELE, DAVID THOMAS, GB
[73] QINETIQ LIMITED, GB
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[54] **METHODES ET COMPOSITIONS PERMETTANT D'ADMINISTRER UN ANTAGONISTE DU RECEPTEUR DE L'INTERLEUKINE 1**
[72] HIGGINS, JOEL, US
[72] HOEPPNER, JACY, US
[72] WOODELL-MAY, JENNIFER, US
[73] BIOMET BIOLOGICS, LLC, US
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[54] **PROCEDE ET AGENCEMENT POUR ATTACHER UNE STRUCTURE EN FORME DE TOUR A UNE FONDATION**
[72] TUOMINEN, KARI, FI
[73] PEIKKO GROUP OY, FI
[85] 2013-03-07
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[54] **SYSTEM AND METHOD FOR HIGH EFFICIENCY POWER GENERATION USING A NITROGEN GAS WORKING FLUID**
[54] **SYSTEME ET PROCEDE DE GENERATION D'ENERGIE A HAUT RENDEMENT UTILISANT UN GAZ AZOTE A TITRE DE FLUIDE DE TRAVAIL**
[72] PALMER, MILES R., US
[72] ALLAM, RODNEY JOHN, GB
[72] FETVEDT, JEREMY ERON, US
[73] PALMER LABS, LLC, US
[73] 8 RIVERS CAPITAL, LLC, US
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[54] **UNITE DE TRANSMISSION MULTI-VITESSES**
[72] GORO, TAMAI, US
[72] DUMITRU, PUIU, US
[72] MILLER, SCOTT A., US
[72] MARTIN, DALE E., US
[72] MILLER, TRAVIS J., US
[73] CHRYSLER GROUP LLC, US
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[54] **VIDEO IMAGE ENCODING DEVICE, VIDEO IMAGE ENCODING METHOD, VIDEO IMAGE DECODING DEVICE, AND VIDEO IMAGE DECODING METHOD**
[54] **DISPOSITIF DE CODAGE D'IMAGES VIDEO, PROCEDE DE CODAGE D'IMAGES VIDEO, DISPOSITIF DE DECODAGE D'IMAGES VIDEO ET PROCEDE DE DECODAGE D'IMAGES VIDEO**
[72] KOYAMA, JUNPEI, JP
[72] KAZUI, KIMIHIKO, JP
[72] SHIMADA, SATOSHI, JP
[72] NAKAGAWA, AKIRA, JP
[73] FUJITSU LIMITED, JP
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[54] **MULTIPLE MONOCHROMATIC PRINT CARTRIDGE PRINTING SYSTEM AND PRINT ALIGNMENT METHOD**
[54] **SYSTEME D'IMPRESSION A CARTOUCHES D'IMPRESSION MONOCHROMES MULTIPLES ET PROCEDE D'ALIGNEMENT D'IMPRESSION**
[72] PROFACA, MARK, AU
[72] KOLODKO, JULIAN PAUL, AU
[72] STACEY, WILLIAM JOHN, AU
[72] SLEIJPEN, STEPHEN JOHN, AU
[72] STRUDWICKE, CRAIG DONALD, AU
[72] EDWARDS, NEIL FYFE, AU
[72] BROWN, LANCE THOMAS, AU
[72] OSTE, TOBY DESMOND, AU
[72] O'DONNELL, ERIC PATRICK, AU
[72] SOBEY, PETER JOHN MORLEY, AU
[72] BERNARDI, DAVID, AU
[72] ANDREW, JAMES, AU
[73] MEMJET TECHNOLOGY LIMITED, IE
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[54] **UTILISATION DE COMPOSES RENFORCANT LES SIGNAUX DANS LE CADRE D'UNE DETECTION PAR ELECTROCHIMILUMINESCENCE**
[72] STOECKEL, JOHANNES, DE
[72] WINDFUHR, MICHAELA, DE
[72] FINKE, ANDREAS, DE
[72] HAUPTMANN, BERNHARD, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **ELECTRIC CHARGE DISSIPATION SYSTEM FOR AIRCRAFT**
[54] **SYSTEME DE DISSIPATION DE CHARGE ELECTRIQUE POUR AVION**
[72] GERKEN, NOEL TIMOTHY, US
[72] ACKERMAN, PATRICE K., US
[72] PRICE, WILLIAM O'NEIL, US
[72] KWON, EDDIE, US
[72] RIMBEY, PETER RAYMOND, US
[73] THE BOEING COMPANY, US
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[72] CHEN, CHI-HAN, TW
[73] YUAN-MEI CORP., TW
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[54] **REDUCED-PRESSURE SYSTEMS, DRESSINGS, AND METHODS EMPLOYING A WIRELESS PUMP**
[54] **SYSTEMES A PRESSION REDUITE, PANSEMENTS ET PROCEDES EMPLOYANT UNE POMPE SANS FIL**
[72] COULTHARD, RICHARD DANIEL JOHN, GB
[72] LOCKE, CHRISTOPHER BRIAN, GB
[72] STOKES, BENJAMIN, GB
[73] KCI LICENSING, INC., US
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[54] **VACCIN CONJUGUE POLYSACCHARIDIQUE CONTRE LE PNEUMOCOQUE**
[72] BIEMANS, RALPH LEON, BE
[72] GARCON, NATHALIE MARIE-JOSEPHE, BE
[72] HERMAND, PHILIPPE VINCENT, BE
[72] POOLMAN, JAN, BE
[72] VAN MECHELEN, MARCELLE PAULETTE, BE
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[54] **METHOD FOR COMPRESSING DIGITAL VALUES OF IMAGE, AUDIO AND/OR VIDEO FILES.**
[54] **PROCEDE DE COMPRESSION DE VALEURS NUMERIQUES DE FICHIERS D'IMAGE AUDIO ET/OU VIDEO**
[72] GERVAIS, THAN MARC-ERIC, FR
[73] COLIN, JEAN-CLAUDE, FR
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[54] **ACTIVATING LICENSABLE COMPONENT USING AGGREGATING DEVICE IN HOME NETWORK**
[54] **ACTIVATION DE COMPOSANT POUVANT FAIRE L'OBJET D'UNE LICENCE A L'AIDE D'UN DISPOSITIF D'AGREGATION DANS UN RESEAU DOMESTIQUE**
[72] SHINTANI, PETER, US
[72] DOUILLET, LUDOVIC ETIENNE, US
[73] SONY CORPORATION, JP
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[54] **MAGNETIC-INDUCTIVE FLOW METER AND METHOD FOR ITS PRODUCTION**
[54] **DEBITMETRE MAGNETO-INDUCTIF ET PROCEDE POUR SA PRODUCTION**
[72] NEVEN, JOSEF, FR
[73] KROHNE AG, CH
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[54] **SYSTEME DE DECOMPRESSION DESTINE A UN APPAREILLAGE DE COMMUTATION**
[72] KARANDIKAR, HARSHAVARDHAN M., US
[72] KARNBACH, ROBERT S., US
[72] PAWAR, RAHUL, US
[73] ABB SCHWEIZ AG, CH
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[54] **CHAUSSETTES QUI STABILISENT LE PIED ET COUSSINETS STABILISATEURS ASSOCIES**
[72] SHERMAN, DARYL CRAIG, CA
[73] PTX IP HOLDINGS INC., CA
[85] 2013-05-15
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[54] **CUSHIONED RESILIENT INTRAVAGINAL URINARY INCONTINENCE DEVICE**
[54] **DISPOSITIF D'INCONTINENCE URINAIRE INTRAVAGINAL ELASTIQUE AMORTI**
[72] MAVINKURVE, PRAMOD, US
[72] HOU, MARI, US
[72] HULL, RAYMOND J., JR., US
[72] ROSENFELD, LEONARD, US
[73] FIRST QUALITY HYGIENIC, INC., US
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[54] **SYSTEME ELECTRIQUE, MODULE DE PROTECTION DE CIRCUIT ET APPAREIL DE COMMUTATION ELECTRIQUE ASSOCIE**
[72] MILLS, PATRICK WELLINGTON, US
[72] MCCORMICK, JAMES MICHAEL, US
[73] LABINAL, LLC, US
[85] 2013-06-04
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[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR CONTROLLING FLUID FLOW THROUGH DRILL STRING**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR REGULER LE DEBIT D'UN LIQUIDE DANS UN TRAIN DE TIGES**
[72] CRAMER, DAVID S., CA
[72] HARVEY, MICHAEL J., CA
[73] GENERAL DOWNHOLE TECHNOLOGIES LTD., CA
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[54] **SYSTEMES ET METHODES DE JEU A DISTANCE POUR JOUEURS MULTIPLES**
[72] FROY, DAVID, CA
[72] BABIN, PETER, CA
[72] GADHER, BHARAT, CA
[72] IDRIS, FAYEZ, CA
[72] PLESKONJIC, DRAGAN, RS
[72] POST, PETER, AT
[72] MCINTYRE, ANDREW, CA
[73] IGT CANADA SOLUTIONS ULC, CA
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[54] **TRAITEMENT DE MATIERE ORGANIQUE**
[72] MASCHMEYER, THOMAS, AU
[73] LICELLA PTY LTD., AU
[73] IGNITE RESOURCES PTY LTD, AU
[73] LICELLA FIBRE FUELS PTY LTD, AU
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[54] **METHOD AND SYSTEM FOR STUCCO CONDITIONING**
[54] **PROCEDE ET SYSTEME DE CONDITIONNEMENT DE PLATRE**
[72] HILKEN, MATTHEW M., US
[72] PETERSON, DAVID G., US
[72] BAILEY, JOSEPH J., US
[73] NATIONAL GYPSUM PROPERTIES, LLC, US
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[54] **CLOSURE**
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[72] SMITH, MARK, GB
[72] DRUITT, RODNEY, GB
[73] CREANOVA UNIVERSAL CLOSURES LTD., GB
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|[25] EN
|[54] **LIGHT-CONDUCTING COMPONENT FOR STRUCTURES AND BUILDINGS AND ALSO PRODUCTION PROCESS THEREFOR**
|[54] **ELEMENT CONDUCTEUR DE LUMIERE POUR CONSTRUCTIONS ET BATIMENTS ET PROCEDE DE FABRICATION ASSOCIE**
|[72] CHRISTANDL, DIETER, AT
|[72] CHRISTANDL, JOSEF, AT
|[72] HOFER, ROBERT, AT
|[72] FISCHER, OLIVER, AT
|[72] HAIDER, ALEXANDER, AT
|[73] CHRISTANDL, DIETER, AT
|[73] CHRISTANDL, JOSEF, AT
|[73] HOFER, ROBERT, AT
|[85] 2013-07-17
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|[30] DE (10 2011 008 853.9) 2011-01-18

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|[54] **METHODS OF REMOVING CONTAMINANTS FROM A HYDROCARBON STREAM BY SWING ADSORPTION AND RELATED APPARATUS AND SYSTEMS**
|[54] **PROCEDE D'ELIMINATION DE CONTAMINANTS D'UN COURANT D'HYDROCARBURES PAR ADSORPTION MODULEE EN PRESSION ET APPAREIL ET SYSTEMES ASSOCIES**
|[72] DECKMAN, HARRY W., US
|[72] JOHNSON, ROBERT A., US
|[72] ANDERSON, THOMAS N., US
|[72] KELLEY, BRUCE T., US
|[72] RAVIKOVITCH, PETER I., US
|[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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|[25] EN
|[54] **NAPHTHA ISOMERISATION ON THREE CATALYTIC REACTION ZONES INSIDE A DISTILLATION COLUMN**
|[54] **ISOMERISATION DE NAPHTA DANS TROIS ZONES DE REACTION CATALYTIQUE A L'INTERIEUR D'UNE COLONNE DE DISTILLATION**
|[72] GIYAZOV, OLEG VALERIEVICH, RU
|[72] PARPUTS, OLEG IGOREVICH, RU
|[73] RRT GLOBAL INC., US
|[85] 2013-07-17
|[86] 2012-01-18 (PCT/RU2012/000038)
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|[25] EN
|[54] **COMPOSITIONS CONTAINING FLUORINE SUBSTITUTED OLEFINS**
|[54] **COMPOSITIONS CONTENANT DES OLEFINES SUBSTITUEES PAR DU FLUOR**
|[72] SINGH, RAJIV R., US
|[72] PHAM, HANG T., US
|[72] WILSON, DAVID P., US
|[72] THOMAS, RAYMOND H., US
|[73] HONEYWELL INTERNATIONAL, INC., US
|[86] (2826545)
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|[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01) A61F 5/448 (2006.01)**
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|[54] **OSTOMY BARRIER SEAL**
|[54] **JOINT D'ETANCHEITE BARRIERE POUR STOMIE**
|[72] ABRAMS, GILBERT L., US
|[73] BENSON TURTLENECK BARRIER, LLC, US
|[85] 2013-08-15
|[86] 2011-12-26 (PCT/US2011/067317)
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|[30] US (61/460,093) 2010-12-27
|[30] US (61/463,109) 2011-02-14
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|[51] **Int.Cl. H01L 33/06 (2010.01) A01G 7/04 (2006.01)**
|[25] EN
|[54] **METHOD AND MEANS FOR ENHANCING GREENHOUSE LIGHTS**
|[54] **PROCEDE ET MOYENS POUR AMELIORER DES LUMIERES DE SERRE**
|[72] AIKALA, LARS, FI
|[72] KIVIMAKI, ILKKA, FI
|[73] VALOYA OY, FI
|[85] 2013-08-20
|[86] 2012-02-08 (PCT/FI2012/050117)
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|[54] **RELATIONSHIP-BASED SEARCH AND RECOMMENDATIONS**
|[54] **RECHERCHE ET RECOMMANDATIONS BASEES SUR DES RELATIONS**
|[72] GOMEZ URIBE, CARLOS, US
|[72] SABAH, MOHAMMAD, US
|[72] BHARADWAJ, VIJAY, US
|[72] PARTHASARATHY, SASI, US
|[72] ANGRISH, SIDDHARTH, US
|[73] NETFLIX, INC., US
|[86] (2829359)
|[87] (2829359)
|[22] 2013-10-04
|[30] US (13/644,318) 2012-10-04

[11] **2,829,591**
[13] C
[51] **Int.Cl. E21B 33/10 (2006.01) F16J 15/16 (2006.01)**
[25] EN
[54] **SEAL ASSEMBLY FOR USE IN A WELLBORE TUBULAR**
[54] **ENSEMBLE DE JOINT POUR TUBULAIRE DE PUITS DE FORAGE**
[72] SMITH, RODDIE R., GB
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2829591)
[87] (2829591)
[22] 2013-10-09
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[51] **Int.Cl. F24F 13/10 (2006.01) F04D 25/08 (2006.01) F24F 7/013 (2006.01) F24F 7/06 (2006.01) F24H 3/04 (2006.01)**
[25] EN
[54] **VENTILATION DEVICE**
[54] **APPAREIL DE VENTILATION**
[72] ZHONG, BOIDONG, CN
[72] LONG, MIN, CN
[72] HONG, JIAHAN, CN
[72] ZHEN, SHI, CN
[72] HASEGAWA, NORIHIKO, JP
[72] YOKOYAMA, RYUUMA, JP
[73] PANASONIC ECOLOGY SYSTEMS GUANGDONG CO., LTD., CN
[73] PANASONIC CORPORATION, JP
[85] 2013-09-26
[86] 2012-06-18 (PCT/CN2012/077082)
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[30] CN (201110181336.9) 2011-06-30
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[51] **Int.Cl. F21V 23/00 (2015.01) F21V 29/70 (2015.01) F21V 7/00 (2006.01)**
[25] EN
[54] **LIGHT EMITTING DIODE REPLACEMENT LAMP**
[54] **LAMPE DE RECHANGE SOUS FORME DE DIODE ELECTROLUMINESCENTE**
[72] CATALANO, ANTHONY, US
[72] HARRISON, DANIEL J., US
[73] TERRALUX, INC., US
[85] 2013-10-16
[86] 2012-03-14 (PCT/US2012/028990)
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[25] EN
[54] **METHOD AND APPARATUS FOR SUPPLYING ELECTRICITY TO A METER BY THE HELP OF A READING DEVICE**
[54] **PROCEDE ET APPAREIL POUR FOURNIR DE L'ELECTRICITE A UN COMPTEUR A L'AIDE D'UN DISPOSITIF DE LECTURE**
[72] STENSON, MICHAEL, US
[72] DUNCAN, JAMES, US
[73] SENSUS USA INC., US
[85] 2013-10-25
[86] 2012-04-23 (PCT/US2012/034671)
[87] (WO2012/148851)
[30] US (13/094,474) 2011-04-26

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[54] **RANDOM NUMBER GENERATOR**
[54] **GENERATEUR DE NOMBRES ALEATOIRES**
[72] KAIBLINGER, HARALD, AT
[72] SCHROTTER, FLORIAN, AT
[73] NOVOMATIC AG, AT
[85] 2013-10-29
[86] 2011-05-03 (PCT/EP2011/002203)
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[54] **CONTROL SYSTEM AND METHOD FOR MITIGATING LOADS DURING YAW ERROR ON A WIND TURBINE**
[54] **SYSTEME DE COMMANDE ET METHODE POUR REDUIRE LES CHARGES DURANT UNE ERREUR D'ORIENTATION SUR UNE EOLIENNE**
[72] KUMAR, RAJEEVA, US
[72] MEHENDALE, CHARUDATTA SUBHASH, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2836018)
[87] (2836018)
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[25] EN
[54] **EDIBLE ANIMAL CHEWS**
[54] **PRODUITS A MACHER COMESTIBLES POUR ANIMAUX**
[72] ELLIOTT, MATTHEW IAN, GB
[72] NEWTON, ANDREW JAMES, GB
[73] MARS, INCORPORATED, US
[85] 2013-11-15
[86] 2012-05-18 (PCT/GB2012/000447)
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[25] EN
[54] **A SLEEP SYSTEM FOR OBTAINING SLEEP INFORMATION**
[54] **SYSTEME DE SOMMEIL POUR OBTENIR DES INFORMATIONS SUR LE SOMMEIL**
[72] BENSON, RONALD STUART, CA
[72] DENOMME, RYAN CAMERON, CA
[73] BLUE OCEAN LABORATORIES, INC., CA
[86] (2836431)
[87] (2836431)
[22] 2013-12-16

[11] **2,836,816**
[13] C
[51] **Int.Cl. H05H 7/00 (2006.01) H05H 13/00 (2006.01)**
[25] EN
[54] **PARTICLE ACCELERATOR AND METHOD OF REDUCING BEAM DIVERGENCE IN THE PARTICLE ACCELERATOR**
[54] **ACCELERATEUR DE PARTICULES ET PROCEDE POUR REDUIRE LA DIVERGENCE DU FAISCEAU DANS L'ACCELERATEUR DE PARTICULES**
[72] SCHMOR, PAUL WESLEY, CA
[73] SCHMOR PARTICLE ACCELERATOR CONSULTING INC., CA
[85] 2013-11-20
[86] 2012-05-22 (PCT/CA2012/050336)
[87] (WO2012/159212)
[30] US (61/489,148) 2011-05-23

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[13] C
[51] **Int.Cl. F15B 1/16 (2006.01) F17C 1/16 (2006.01)**
[25] EN
[54] **PRESSURE VESSEL**
[54] **RECIPIENT SOUS PRESSION**
[72] KLOFT, PETER, DE
[72] BALTES, HERBERT, DE
[73] HYDAC TECHNOLOGY GMBH, DE
[85] 2013-11-28
[86] 2012-05-12 (PCT/EP2012/002100)
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[25] EN
[54] **HERBICIDE-RESISTANT PROTEIN, ENCODING GENE AND USE THEREOF**
[54] **PROTEINE RESISTANTE AUX HERBICIDES, GENE DE CODAGE ET LEUR UTILISATION**
[72] WU, YECHUN, CN
[72] TAO, QING, CN
[72] DING, DERONG, CN
[72] ZHANG, CHENGWEI, CN
[72] WANG, DENGYUAN, CN
[72] HUANG, JINCUN, CN
[72] WANG, NA, CN
[72] LI, YANXUN, CN
[72] LIU, XIAOYAN, CN
[72] BAO, XIAOMING, CN
[73] BEIJING DABEINONG TECHNOLOGY GROUP CO., LTD., CN
[73] BEIJING DABEINONG TECHNOLOGY GROUP CO., LTD., BIOTECH CENTER, CN
[73] BEIJING GREEN AGROSINO PLANT PROTECTION TECHNOLOGY CO., LTD., CN
[86] (2838517)
[87] (2838517)
[22] 2013-12-23
[30] CN (201210570529.8) 2012-12-25

[11] **2,838,523**
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[51] **Int.Cl. C12N 15/53 (2006.01) A01H 1/04 (2006.01) C12N 9/02 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **HERBICIDE-RESISTANT PROTEIN, ENCODING GENE AND USE THEREOF**
[54] **PROTEINE RESISTANTE AUX HERBICIDES, GENE DE CODAGE ET LEUR UTILISATION**
[72] WU, YECHUN, CN
[72] TAO, QING, CN
[72] DING, DERONG, CN
[72] WANG, DENGYUAN, CN
[72] LIU, HAILI, CN
[72] SONG, XIAOQIAN, CN
[72] XING, TIANTIAN, CN
[72] DU, LIGUO, CN
[72] SHANG, SONGSONG, CN
[72] BAO, XIAOMING, CN
[73] BEIJING DABEINONG TECHNOLOGY GROUP CO., LTD., CN
[73] BEIJING DABEINONG TECHNOLOGY GROUP CO., LTD., BIOTECH CENTER, CN
[73] BEIJING GREEN AGROSINO PLANT PROTECTION TECHNOLOGY CO., LTD., CN
[86] (2838523)
[87] (2838523)
[22] 2013-12-23
[30] CN (201210570647.9) 2012-12-25

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[13] C
[51] **Int.Cl. G01M 17/00 (2006.01) B60S 5/00 (2006.01) G07C 5/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSLATING VEHICLE DIAGNOSTIC TROUBLE CODES**
[54] **PROCEDE ET APPAREIL POUR TRADUIRE DES CODES D'ANOMALIE D'UN VEHICULE**
[72] LORENZ, FREDERICK, US
[72] NIELSEN, JOHN, US
[72] SHUMATE, DWAYNE, US
[73] AMERICAN AUTOMOBILE ASSOCIATION, INC., US
[86] (2838632)
[87] (2838632)
[22] 2014-01-07
[30] US (13/737,301) 2013-01-09

[11] **2,839,646**
[13] C
[51] **Int.Cl. H01M 4/96 (2006.01) H01M 8/1004 (2016.01) H01M 4/88 (2006.01)**
[25] EN
[54] **GAS DIFFUSION LAYER FOR FUEL CELL AND METHOD FOR MANUFACTURING THE SAME**
[54] **COUCHE DE DIFFUSION DE GAZ POUR PILE A COMBUSTIBLE ET SON PROCEDE DE PRODUCTION**
[72] OKUYAMA, YOZO, JP
[72] KUWATA, SHIGEMASA, JP
[72] KODAMA, KAZUFUMI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2013-12-17
[86] 2012-05-31 (PCT/JP2012/064156)
[87] (WO2012/172993)
[30] JP (2011-135067) 2011-06-17

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[13] C
[51] **Int.Cl. G09G 5/00 (2006.01) H04N 21/4363 (2011.01) H04N 5/765 (2006.01)**
[25] EN
[54] **HDMI SOURCE/SINK INTEROPERABLE CONFIGURATION DETERMINATION PROCESS**
[54] **PROCESSUS DE DETERMINATION D'UNE CONFIGURATION COMPATIBLE SOURCE/PUITS HDMI**
[72] ZHANG, YAXI, US
[72] LAZARUS, DAVID B., US
[72] OGDEN, JOHN D., US
[73] ARRIS ENTERPRISES LLC, US
[85] 2013-12-20
[86] 2012-06-21 (PCT/US2012/043522)
[87] (WO2012/177858)
[30] US (13/165,031) 2011-06-21

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[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 9/107 (2006.01) A61K 31/473 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **A NEW THERAPEUTICAL COMPOSITION CONTAINING APOMORPHINE AS ACTIVE INGREDIENT**
[54] **NOUVELLE COMPOSITION THERAPEUTIQUE CONTENANT DE L'APOMORPHINE COMME PRINCIPE ACTIF**
[72] DEY, MICHAEL, GB
[72] RICHARD, JOEL, FR
[72] BARONNET, MARIE-MADELEINE, FR
[72] MONDOLY, NATHALIE, FR
[72] BERTOCCHI, LAURENT, FR
[72] HARNETT, JEREMIAH, FR
[73] BRITANNIA PHARMACEUTICALS LIMITED, GB
[85] 2014-01-02
[86] 2012-07-11 (PCT/EP2012/002916)
[87] (WO2013/007381)
[30] EP (11290320.8) 2011-07-11

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[25] EN
[54] **EDIBLE ANIMAL CHEW**
[54] **FRIANDISE COMESTIBLE A MACHER POUR ANIMAUX**
[72] ESSLER, ALICIA, GB
[73] MARS INCORPORATED, US
[85] 2014-01-09
[86] 2012-07-13 (PCT/GB2012/051676)
[87] (WO2013/008032)
[30] GB (1112162.1) 2011-07-14

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[51] **Int.Cl. E21B 19/10 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL HAVING SLIP INSERTS COMPOSED OF DIFFERENT MATERIALS**
[54] **OUTIL DE FOND DE TROU COMPORTANT DES INSERTIONS COULISSANTES COMPOSEES DE DIFFERENTS MATERIAUX**
[72] WIESE, STEPHEN J., US
[72] YOUNG, JONATHAN A., US
[72] ROCHEN, JAMES A, US
[72] STAGE, MATTHEW, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2842373)
[87] (2842373)
[22] 2014-02-10
[30] US (61/763,718) 2013-02-12

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[51] **Int.Cl. B28B 7/02 (2006.01)**
[25] EN
[54] **CONCRETE BLOCK MOLD WITH MOVEABLE LINER PLATE AND HEATER**
[54] **MOULE DE BLOC DE BETON DOTE D'UNE PLAQUE DE DOUBLURE DEPLACABLE ET D'UN MODULE DE CHAUFFAGE**
[72] NESS, JOHN T., US
[73] NESS INVENTIONS, INC., US
[86] (2842553)
[87] (2842553)
[22] 2005-06-28
[62] 2,572,381
[30] US (10/879,381) 2004-06-29

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[51] **Int.Cl. C09D 11/50 (2014.01) C09B 9/00 (2006.01) C09B 62/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REVEALING A HIDDEN ELEMENT**
[54] **PROCEDE ET APPAREIL POUR REVELER UN ELEMENT CACHE**
[72] GLASSCOCK, STEPHEN DREW, US
[72] ABBOTT, JODI ANN, US
[72] GARBOS, JENNIFER RICHARDS, US
[72] LANGLEY, ROBERT EUGENE, US
[72] PINEIRO, LUIS RODRIGO, US
[73] HALLMARK CARDS, INCORPORATED, US
[86] (2842847)
[87] (2842847)
[22] 2014-02-13
[30] US (13/838,290) 2013-03-15

[11] **2,843,219**
[13] C
[51] **Int.Cl. G01N 33/579 (2006.01)**
[25] EN
[54] **KIT FOR SAMPLING AND DETECTION OF ENDOTOXIN IN AQUEOUS SOLUTION**
[54] **KIT D'ECHANTILLONNAGE ET DE DETECTION D'ENDOTOXINES DANS UNE SOLUTION AQUEUSE**
[72] HENRIE, MICHAEL, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2014-01-24
[86] 2012-07-25 (PCT/US2012/048036)
[87] (WO2013/032601)
[30] US (61/529,943) 2011-09-01

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[13] C
[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/62 (2006.01) G06K 9/78 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF DETECTING BODY MOVEMENTS USING GLOBALLY GENERATED MULTI-DIMENSIONAL GESTURE DATA**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE MOUVEMENTS CORPORELS PAR L'UTILISATION DE DONNEES DE GESTE MULTIDIMENSIONNELLES GENEREES GLOBALEMENT**
[72] BULZACKI, ADRIAN, CA
[73] ARB LABS INC., CA
[85] 2014-01-28
[86] 2012-04-18 (PCT/IB2012/000772)
[87] (WO2013/027091)
[30] US (61/512,528) 2011-07-28
[30] US (61/628,468) 2011-11-01

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[13] C
[51] **Int.Cl. G01N 21/35 (2014.01) G01J 3/42 (2006.01) G01N 21/55 (2014.01) G01N 21/85 (2006.01)**
[25] EN
[54] **HEAD FOR AN EVANESCENT-WAVE FIBRE-OPTIC SENSOR**
[54] **TETE POUR UN CAPTEUR A FIBRE OPTIQUE A ONDES EVANESCENTES**
[72] TARIEL, HUGUES, FR
[73] DIAFIR, FR
[85] 2014-01-29
[86] 2012-06-12 (PCT/EP2012/061130)
[87] (WO2013/017324)
[30] FR (11/56945) 2011-07-29

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[13] C
[51] **Int.Cl. C22C 38/14 (2006.01) B21B 3/00 (2006.01) C21D 8/02 (2006.01) C22C 38/04 (2006.01) C22C 38/12 (2006.01) C23C 2/40 (2006.01)**
[25] EN
[54] **HIGH YIELD RATIO HOT ROLLED STEEL SHEET WHICH HAS EXCELLENT LOW TEMPERATURE IMPACT ENERGY ABSORPTION AND HAZ SOFTENING RESISTANCE AND METHOD OF PRODUCTION OF SAME**
[54] **FEUILLE D'ACIER LAMINEE A CHAUD AYANT UN RAPPORT DE LIMITE D'ELASTICITE ELEVE ET UNE EXCELLENTE ABSORPTION D'ENERGIE D'IMPACT A BASSE TEMPERATURE ET UNE RESISTANCE AU RAMOLLISSEMENT HAZ ET SON PROCEDE DE FABRICATION**
[72] MARUYAMA, NAOKI, JP
[72] YOSHINAGA, NAOKI, JP
[72] AZUMA, MASAFUMI, JP
[72] SAKUMA, YASUHARU, JP
[72] ITAMI, ATSUSHI, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2014-01-29
[86] 2012-08-08 (PCT/JP2012/070259)
[87] (WO2013/022043)
[30] JP (2011-173760) 2011-08-09

[11] **2,843,761**
[13] C
[51] **Int.Cl. B65D 33/25 (2006.01)**
[25] EN
[54] **PACKAGING CONTAINER**
[54] **RECIPIENT D'EMBALLAGE**
[72] STRUBBE, PETER, DE
[72] HAIMERL, RUDOLF, DE
[72] WEDI, JOHANNES, DE
[73] BISCHOF + KLEIN GMBH & CO. KG, DE
[85] 2014-01-31
[86] 2012-06-20 (PCT/EP2012/002591)
[87] (WO2013/004348)
[30] DE (20 2011 102 943.7) 2011-07-05

[11] **2,843,851**
[13] C
[51] **Int.Cl. E04D 1/28 (2006.01) E04D 1/00 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR ADDING THICKNESS TO ROOFING PRODUCTS**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR AJOUTER UNE EPAISSEUR A DES PRODUITS DE TOITURE**
[72] STAHL, KERMIT E., US
[73] CERTAINTEED CORPORATION, US
[86] (2843851)
[87] (2843851)
[22] 2014-02-25
[30] US (61/772,005) 2013-03-04

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[13] C
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[72] SCHANKERELI, KEMAL, US
[72] LOZONSCHI, LUCIAN, US
[72] LUTTER, GEORG, DE
[73] TENDYNE HOLDINGS, INC., US
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[54] **HETEROCYCLIC DERIVATIVES WITH MPGES-1 INHIBITORY ACTIVITY**
[54] **DERIVES HETEROCYCLIQUES AYANT UNE ACTIVITE INHIBITRICE M-PGES-1**
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[73] NIPPON SHINYAKU CO., LTD., JP
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[54] **OPTIMISATION DE RESEAU DE COMMUNICATION RADIO MOBILE**
[72] JACTAT, CAROLINE, GB
[72] FUTAKI, HISASHI, JP
[72] NUNZI, GIORGIO, DE
[73] NEC CORPORATION, JP
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[54] **DETECTION DEVICE FOR DETECTING AT LEAST ONE FAULT STATE**
[54] **DISPOSITIF DE DETECTION D'AU MOINS UN ETAT D'ERREUR**
[72] KERN, PETER, DE
[72] KUEBLER, ULRICH, DE
[72] HUMMEL, THOMAS, DE
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[54] **SHELF STRUCTURE FOR A MERCHANDISER**
[54] **STRUCTURE D'ETAGERE POUR UN PRESENTOIR GEANT**
[72] LAMONTAGNE, RICK M., US
[72] WIND, TOM, US
[73] HUSSMANN CORPORATION, US
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[54] **CATV VIDEO AND DATA TRANSMISSION SYSTEM WITH HYBRID INPUT**
[54] **SYSTEME DE TRANSMISSION DE VIDEO ET DE DONNEES PAR CABLODISTRIBUTION A ENTREE HYBRIDE**
[72] BOWLER, DAVID B., US
[72] GREENE, CLARK V., US
[72] HOLOBINKO, JOHN, US
[72] WHITE, GERARD, US
[72] HRIVNAK, LAWRENCE M., US
[72] HERSEY, STEVEN H., US
[72] PICARD, GARY A., US
[73] ARRIS ENTERPRISES LLC, US
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[54] **DATA RECOVERY METHOD AND SYSTEM FOR SOURCE SYNCHRONOUS DATA CHANNELS**
[54] **METHODE DE RECUPERATION DE DONNEES ET SYSTEME POUR DES CANAUX DE DONNEES SOURCES SYNCHRONES**
[72] REA, JUDITH A., IE
[72] KEADY, AIDAN G., IE
[72] KEANE, JOHN A., IE
[72] HORAN, JOHN M., IE
[73] SPECTRA7 MICROSYSTEMS (IRELAND) LIMITED, IE
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[54] **CAPILLARY INJECTION DELIVERY SYSTEM HAVING TUBING ANCHOR**
[54] **SYSTEME D'ADMINISTRATION PAR INJECTION CAPILLAIRE COMPORTANT UNE PIECE D'ANCRAGE POUR TUBAGE**
[72] BRACKEN, JAMES, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **ACHAT HORS LIGNE EN UN CLIC**
[72] WALL, JONATHAN, US
[72] VON BEHREN, ROB, US
[72] COLLINE, RAYMOND EMMETT, II, US
[73] GOOGLE LLC, US
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[54] **COUVRE-MATELAS**
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[72] HUTCHERSON, HENRY STEPHEN, US
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[25] EN
[54] **APPARATUS AND METHOD FOR TESTING AIRCRAFT MESSAGE TRIGGER LOGICS**
[54] **APPAREIL ET PROCEDE POUR FAIRE L'ESSAI DE LA LOGIQUE DE DECLENCHEMENT DE MESSAGES D'AERONEF**
[72] CHAI, WEIXI, CN
[72] ZHONG, DECHAO, CN
[72] WU, XUELIANG, CN
[72] LI, QIXIANG, CN
[72] LI, TANG, CN
[72] OUYANG, CHENGLI, CN
[72] LI, YUANBIN, CN
[72] BI, WENJING, CN
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[25] EN
[54] **TEST APPARATUS AND TEST METHOD BASED ON DFDAU**
[54] **APPAREIL D'ESSAI ET PROCEDE D'ESSAI FONDE SUR UNE UNITE D'ACQUISITION DES DONNEES NUMERIQUES EN VOL**
[72] CHAI, WEIXI, CN
[72] ZHONG, DECHAO, CN
[72] WU, XUELIANG, CN
[72] LI, TANG, CN
[72] LI, YUANBIN, CN
[72] LI, QIXIANG, CN
[72] OUYANG, CHENGLI, CN
[72] BI, WENJING, CN
[73] AIR CHINA LIMITED, CN
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[54] **AN IMPLANTABLE REPAIR DEVICE**
[54] **DISPOSITIF DE REPARATION IMPLANTABLE**
[72] SKAER, NICHOLAS, GB
[73] *ORTHOX LIMITED, GB*
[85] 2014-04-14
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[25] EN
[54] **SIMIAN ADENOVIRUS NUCLEIC ACID AND AMINO ACID SEQUENCES, VECTORS CONTAINING SAME, AND METHODS OF USE**
[54] **SEQUENCES D'ACIDES NUCLEIQUES ET D'ACIDES AMINES D'ADENOVIRUS SIMIENS, VECTEURS LES CONTENANT ET PROCEDES D'UTILISATION ASSOCIES**
[72] GAO, GUANGPING, US
[72] WILSON, JAMES M., US
[72] ROY, SOUMITRA, US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[54] **METHOD AND ARRANGEMENT IN A HYBRID VEHICLE**
[54] **PROCEDE ET AGENCEMENT DANS UN VEHICULE HYBRIDE**
[72] ENGDAHL, HENRIK, SE
[73] *VOLVO LASTVAGNAR AB, SE*
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[54] **A SAFETY DISCHARGE VALVE**
[54] **SOUPAPE DE REFOULEMENT DE SECURITE**
[72] HUO, GANG, CN
[73] HUO, GANG, CN
[85] 2014-05-02
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[25] EN
[54] **SYSTEM AND METHOD FOR STREAMING MULTIPLE IMAGES FROM A SINGLE PROJECTOR**
[54] **SYSTEME ET PROCEDE POUR DEFILEMENT DE MULTIPLES IMAGES PROVENANT D'UN UNIQUE PROJECTEUR**
[72] TILLEMAN, MICHAEL M., US
[72] LYFORD, JON R., US
[73] ELBIT SYSTEMS OF AMERICA, LLC, US
[85] 2014-05-12
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[54] **DEVICE FOR VIEWING AN IMAGE ON A LAMINATED SUBSTRATE**
[54] **APPAREIL DE VISIONNEMENT D'UNE IMAGE SUR UN SUBSTRAT STRATIFIE**
[72] LALUET, JEAN-YVES, FR
[72] LECAMP, GUILLAUME, FR
[73] SEKISUI CHEMICAL CO., LTD., JP
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[54] **HIGH-FREQUENCY HEATING DEVICE WITH RANGE HOOD**
[54] **DISPOSITIF DE CHAUFFAGE PAR HAUTE FREQUENCE AYANT UNE HOTTE ASPIRANTE DE CUISINE**
[72] YAMAUCHI, MASATO, JP
[73] PANASONIC CORPORATION, JP
[85] 2014-05-28
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[54] **ZONE SELECT STAGE TOOL SYSTEM**
[54] **SYSTEME D'OUTIL A SELECTION DE ZONE D'ETAGE**
[72] GIROUX, RICHARD L., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2857381)
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[25] EN
[54] **METHOD FOR OPERATING A WIND POWER PLANT**
[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UNE EOLIENNE**
[72] BOHME, SEBASTIAN, DE
[72] GOLLNICK, BERT, DE
[73] SENVION SE, DE
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[25] EN
[54] **METHOD AND APPARATUS FOR TREATMENT OF A RAIL WELD**
[54] **PROCEDE ET APPAREIL POUR LE TRAITEMENT D'UNE SOUDURE DE RAIL**
[72] KRISTAN, JOSEPH V., US
[72] REID, KENNETH H., US
[73] CF&I STEEL L.P., D/B/A EVRAZ ROCKY MOUNTAIN STEEL, US
[85] 2014-05-29
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[54] **ELECTRONICALLY-ACTUATED, MULTI-SET STRADDLE BOREHOLE TREATMENT APPARATUS**
[54] **APPAREIL DE TRAITEMENT DE PUITS DE FORAGE A CHEVAUCHEMENT A PLUSIEURS REGLAGES ACTIONNE ELECTRONIQUEMENT**
[72] SYMMS, JOSHUA V., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[25] EN
[54] **TEARING TAPE FOR SEVERING A PAPER WEB IN A PAPERMAKING INSTALLATION**
[54] **BANDE DECHIRABLE POUR COUPER UNE NAPPE DE PAPIER DANS UNE INSTALLATION DE FABRICATION DE PAPIER**
[72] BARTELMUSS, KLAUS, AT
[73] BARTELMUSS, KLAUS, AT
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[51] **Int.Cl. E21B 33/038 (2006.01)**
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[54] **A STAB CONNECTOR AND METHOD OF USE THEREOF**
[54] **RACCORD A GUIDAGE ET SON PROCEDE D'UTILISATION**
[72] THOMPSON, JOHN, GB
[72] CHUBBOCK, PAUL, GB
[73] FORUM ENERGY TECHNOLOGIES (UK) LIMITED, GB
[85] 2014-07-10
[86] 2012-10-12 (PCT/GB2012/052536)
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[25] EN
[54] **A COMPOSITION AND METHOD FOR CONTROLLING THE WETTABILITY OF SURFACES**
[54] **COMPOSITION ET PROCEDE DE CONTROLE DE LA MOUILLABILITE DE SURFACES**
[72] SCHOELKOPF, JOACHIM, CH
[72] WEITZEL, HANS-JOACHIM, CH
[73] OMYA INTERNATIONAL AG, CH
[85] 2014-07-29
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[54] **CONNECTOR HAVING MULTIPLE DIRECTION CONNECTIVITY**
[54] **CONNECTEUR AYANT UNE CONNECTIVITE MULTIDIRECTIONNELLE**
[72] CHEPLA, RYAN WILLIAM, US
[72] BREEDEN, WINSTON, III, US
[73] WINSTON PRODUCTS LLC, US
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[25] EN
[54] **BRUSH LEAD GUIDE FOR A BRUSH HOLDER ASSEMBLY**
[54] **GUIDE DE CONDUCTEURS DE BALAI POUR ENSEMBLE PORTE-BALAI**
[72] CUTSFORTH, ROBERT S., US
[73] CUTSFORTH, INC., US
[85] 2014-09-04
[86] 2013-03-12 (PCT/US2013/030389)
[87] (WO2013/138281)
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[54] **COUPLER LOCK**
[54] **VERROUILLAGE DE COUPLEUR**
[72] BREEDEN, WINSTON, III, US
[72] BREJ, THADDEUS T., US
[72] RATHMAN, DAVID EDWARD BIRN, US
[73] WINSTON PRODUCTS LLC, US
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[25] EN
[54] **METHOD FOR REMOVING CALCIUM, BARIUM, MAGNESIUM AND STRONTIUM FROM FRAC FLOWBACK**
[54] **PROCEDE POUR ELIMINER LE CALCIUM, LE BARYUM, LE MAGNESIUM ET LE STRONTIUM D'UN REFLUX DE FRACTURATION**
[72] BLUMENSCHEIN, CHARLES, US
[72] HESS, MARK, US
[72] BANERJEE, KASHI, US
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[25] EN
[54] **TRACKING AND MANAGING GROUP EXPENDITURES**
[54] **SUIVI ET GESTION DES DEPENSES DE GROUPE**
[72] GREEN, TRAVIS HARRISON KROLL, US
[72] COZENS, NARELLE, US
[72] SCHMITT, PETER, US
[72] DEPASQUALE, MICHAEL, US
[72] PENNARUN, AVERY, US
[72] MIZHEN, BORIS, US
[73] GOOGLE LLC, US
[85] 2014-09-29
[86] 2013-03-19 (PCT/US2013/033000)
[87] (WO2013/148416)
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[25] EN
[54] **DRILLING RIG CARRIAGE MOVABLE ALONG RACKS AND INCLUDING PINIONS DRIVEN BY ELECTRIC MOTORS**
[54] **CHARIOT D'APPAREIL DE FORAGE POUVANT SE DEPLACER LE LONG DE CREMAILLERES ET COMPRENANT DES PIGNONS ENTRAINES PAR DES MOTEURS ELECTRIQUES**
[72] REDDY, PADIRA, US
[72] GUPTA, ASHISH, US
[72] BAILY, SEAN M., US
[72] FOX, TODD, US
[72] BOONE, SCOTT G., US
[72] KUTTEL, BEAT, US
[73] NABORS DRILLING INTERNATIONAL LIMITED, BM
[85] 2014-10-06
[86] 2013-05-06 (PCT/US2013/039695)
[87] (WO2013/173101)
[30] US (61/646,686) 2012-05-14
[30] US (13/797,265) 2013-03-12

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[25] EN
[54] **HEPATITIS C VIRUS INHIBITORS**
[54] **INHIBITEURS DU VIRUS DE L'HEPATITE C**
[72] MCKINNELL, ROBERT MURRAY, US
[72] LONG, DANIEL D., US
[73] THERAVANCE BIOPHARMA R&D IP, LLC, US
[85] 2014-10-07
[86] 2013-04-24 (PCT/US2013/037934)
[87] (WO2013/163270)
[30] US (61/637,956) 2012-04-25
[30] US (61/773,977) 2013-03-07

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[51] **Int.Cl. B21D 51/26 (2006.01) B29C 65/36 (2006.01) B65B 7/28 (2006.01) B65B 51/22 (2006.01)**
[25] EN
[54] **METHOD OF MAKING A RETORT CONTAINER**
[54] **PROCEDE DE FABRICATION D'UN CONTENANT D'AUTOCLAVE**
[72] PRICE, TREVOR, US
[72] MORIN, JEREMY, US
[73] SONOCO DEVELOPMENT, INC., US
[85] 2014-10-10
[86] 2013-04-04 (PCT/US2013/035283)
[87] (WO2013/154908)
[30] US (13/445,162) 2012-04-12

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[13] C
[51] **Int.Cl. F24F 13/08 (2006.01)**
[25] EN
[54] **LOUVER DEVICE FOR REMOVING MOISTURE AND DUST**
[54] **DISPOSITIF VENTELLE POUR L'ELIMINATION DE L'HUMIDITE ET DE LA POUSSIERE**
[72] MACDONALD, GEORGE, US
[72] NEWTON, GREGORY, US
[72] CLEMENCE, RICHARD, US
[73] GRG, LLC, US
[85] 2014-10-14
[86] 2013-04-25 (PCT/US2013/038140)
[87] (WO2013/163379)
[30] US (61/639,562) 2012-04-27

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/13 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **ORALLY DISINTEGRATING TABLET AND PRODUCTION PROCESS THEREFOR**
[54] **COMPRIME A DESINTEGRATION ORALE ET SON PROCEDE DE PRODUCTION**
[72] SEKIGUCHI, GAKU, JP
[72] HAYAKAWA, RYOICHI, JP
[72] HARA, YOSHIHIRO, JP
[73] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2014-10-17
[86] 2013-04-23 (PCT/JP2013/061936)
[87] (WO2013/161823)
[30] JP (2012-098770) 2012-04-24

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[51] **Int.Cl. B41J 2/04 (2006.01) C09D 11/30 (2014.01)**
[25] EN
[54] **METHOD OF JETTING INK**
[54] **PROCEDE DE PROJECTION D'ENCRE**
[72] BRETON, MARCEL PHILIPPE, CA
[72] BELELIE, JENNIFER L., CA
[72] GOREDEMA, ADELA, CA
[72] SMITH, PAUL F., CA
[73] XEROX CORPORATION, US
[86] (2871394)
[87] (2871394)
[22] 2014-11-17
[30] US (14/089,479) 2013-11-25

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[51] **Int.Cl. F03B 13/14 (2006.01) F03G 7/08 (2006.01) H02K 1/06 (2006.01) H02K 1/34 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR GENERATING ELECTRICITY FROM MOTION OF FLUID**
[54] **SYSTEME ET APPAREIL DE GENERATION D'ELECTRICITE A PARTIR DU MOUVEMENT D'UN FLUIDE**
[72] SULLIVAN, WILLIAM PAUL, CA
[73] SULLIVAN, WILLIAM PAUL, CA
[85] 2014-10-24
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[25] EN
[54] **METHOD OF MANUFACTURING A TUBE SHEET AND HEAT EXCHANGER ASSEMBLY FOR A POOL REACTOR OR POOL CONDENSER ; CORRESPONDING TUBE SHEET AND HEAT EXCHANGER ASSEMBLY**
[54] **PROCEDE DE FABRICATION D'UNE PLAQUE ALVEOLEE ET D'UN ENSEMBLE D'ECHANGEUR THERMIQUE DESTINE A UN REACTEUR PISCINE OU UN CONDENSEUR PISCINE**
[72] SCHEERDER, ALEXANDER ALEIDA ANTONIUS, NL
[73] STAMICARBON B.V., NL
[85] 2014-10-28
[86] 2013-05-02 (PCT/NL2013/050331)
[87] (WO2013/165247)
[30] EP (12166584.8) 2012-05-03

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[13] C
[51] **Int.Cl. B21C 37/30 (2006.01) B21C 37/08 (2006.01)**
[25] EN
[54] **A CUTTING-OFF MACHINE**
[54] **MACHINE A DECOUPER**
[72] CHEZZI, ALEARDO, IT
[72] ANESI, ANDREA, IT
[72] MICALI, LUCIANO, IT
[72] VECCHINI, GIANLUCA, IT
[73] FIVES OTO S.P.A., IT
[86] (2873010)
[87] (2873010)
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[30] IT (MO2013A000332) 2013-12-06

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[51] **Int.Cl. C07D 473/04 (2006.01) A61K 31/522 (2006.01) A61P 3/08 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **A POLYMERIC FORM OF 1-((4-METHYL-QUINAZOLIN-2-YL)METHYL)-3-7-(2-BUTYN-1-YL)-8-(3-(R)-AMINOPIPERIDIN-1-YL)XANTHINE**
[54] **UNE FORME POLYMERIQUE DE 1-((4-METHYL-QUINAZOLIN-2-YL)METHYL)-3-7-(2-BUTYN-1-YL)-8-(3-(R)-AMINOPIPERIDIN-1-YL)XANTHINE**
[72] SIEGER, PETER, DE
[72] KEMMER, DIRK, DE
[72] KOHLBAUER, PETER, DE
[72] NICOLA, THOMAS, DE
[72] RENZ, MARTIN, DE
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[87] (2873524)
[22] 2007-04-30
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[30] EP (06009202.0) 2006-05-04

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[51] **Int.Cl. H01R 13/639 (2006.01) H01R 13/64 (2006.01)**
[25] EN
[54] **ELECTRICAL PLUG-IN CONNECTION HAVING A PLUG PART WITH CONTACT PINS FOR PLUGGING INTO SOCKET CONTACTS OF A SOCKET PART**
[54] **RACCORD DE BRANCHEMENT ELECTRIQUE COMPORTANT UNE PARTIE DE PRISE DOTEE DE BROCHES DE CONTACT SERVANT A BRANCHER DES CONTACTS DE PRISE FEMELLE DANS UNE PIECE DE PRISE FEMELLE**
[72] HAAS, EDWIN, DE
[72] SCHWABBAUER, FRANK, DE
[72] WINKLER, JURGEN, DE
[72] HOHMANN, WOLFRAM, DE
[73] WIELAND ELECTRIC GMBH, DE
[86] (2873635)
[87] (2873635)
[22] 2014-12-05
[30] DE (10 2013 018 160.7) 2013-12-05

[11] **2,874,134**
[13] C
[51] **Int.Cl. B23C 3/00 (2006.01) B23Q 1/25 (2006.01)**
[25] EN
[54] **A DEVICE FOR ADJUSTING CUTTING DEPTH FOR REMOVAL OF WELD BEADS INSIDE PROFILE SECTIONS SUCH AS TUBES AND THE LIKE**
[54] **DISPOSITIF D'AJUSTEMENT DE LA PROFONDEUR DE COUPE POUR ENLEVER LES CORDONS DE SOUDURE A L'INTERIEUR DE PROFILES COMME LES TUBES ET AUTRES PIECES SEMBLABLES**
[72] MICALI, LUCIANO, IT
[72] ANESI, ANDREA, IT
[72] ALBERINI, GIANLUCA, IT
[72] CHEZZI, ALEARDO, IT
[73] FIVES OTO S.P.A., IT
[86] (2874134)
[87] (2874134)
[22] 2014-12-09
[30] IT (MO2014A000004) 2014-01-09

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[13] C
[51] **Int.Cl. H01H 11/00 (2006.01) H01H 21/00 (2006.01) H01H 1/22 (2006.01)**
[25] EN
[54] **ELECTRIC CURRENT SWITCHING APPARATUS**
[54] **APPAREIL DE COMMUTATION DE COURANT ELECTRIQUE**
[72] MATTLAR, HARRI, FI
[72] VALIVAINIO, MIKKO, FI
[73] ABB OY, FI
[85] 2014-11-21
[86] 2013-05-24 (PCT/FI2013/050571)
[87] (WO2013/186432)
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[13] C
[51] **Int.Cl. B66D 5/26 (2006.01) F16D 49/00 (2006.01)**
[25] EN
[54] **DISK BRAKE SYSTEM**
[54] **SYSTEME DE FREINAGE A DISQUES**
[72] SCHUBERT, WOLFGANG, DE
[72] HOFMANN, KLAUS, DE
[73] SIEMAG TECBERG GMBH, DE
[85] 2014-12-04
[86] 2013-06-07 (PCT/EP2013/061830)
[87] (WO2013/182691)
[30] DE (10 2012 011 539.3) 2012-06-08

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[13] C
[51] **Int.Cl. G09F 3/02 (2006.01) G09F 7/00 (2006.01)**
[25] EN
[54] **DISPLAY HOLDER SYSTEM**
[54] **DISPOSITIF DE SUPPORT D'AFFICHAGE**
[72] KOTT, MARLA CHARISSE, CA
[72] MACMILLAN, KRISTIN SARAH, CA
[72] FELDMAN, ALEXANDER JEFFREY, CA
[72] ROBERTS, ROBBIE GORDON, CA
[73] ILLEN PRODUCTS LTD., CA
[86] (2876688)
[87] (2876688)
[22] 2014-12-24
[30] US (62/015371) 2014-06-20

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[13] C
[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **PORTION CAPSULE AND METHOD FOR PRODUCING A BEVERAGE BY MEANS OF A PORTION CAPSULE**
[54] **DOSETTE ET PROCEDE DE PREPARATION D'UNE BOISSON AU MOYEN D'UNE DOSETTE**
[72] EMPL, GUNTER, DE
[73] K-FEE SYSTEM GMBH, DE
[85] 2014-12-17
[86] 2013-06-18 (PCT/EP2013/062610)
[87] (WO2013/189923)
[30] DE (10 2012 105 282.4) 2012-06-18

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[51] **Int.Cl. G06F 21/50 (2013.01)**
[25] EN
[54] **SECURITY MODE FOR MOBILE COMMUNICATIONS DEVICES**
[54] **MODE DE SECURITE POUR DISPOSITIF DE TELECOMMUNICATIONS MOBILES**
[72] MALINOWSKI, RICHARD, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2014-12-19
[86] 2013-06-20 (PCT/CN2013/077530)
[87] (WO2013/189291)
[30] US (13/528,345) 2012-06-20

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[13] C
[51] **Int.Cl. G01B 11/14 (2006.01) G01C 9/00 (2006.01) G03B 17/00 (2006.01)**
[25] EN
[54] **VISUAL POSITIONING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT VISUEL**
[72] MORIN, KRISTIAN, CA
[72] KENNEDY, SANDY, CA
[73] HEXAGON TECHNOLOGY CENTER GMBH, CH
[85] 2014-12-30
[86] 2013-10-10 (PCT/CA2013/050767)
[87] (WO2014/066996)
[30] US (13/666,358) 2012-11-01

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[13] C
[51] **Int.Cl. E21B 47/24 (2012.01) E21B 44/00 (2006.01)**
[25] EN
[54] **MUD PULSER WITH POPPET VALVE, HAVING LINEAR DISPLACEMENT DETERMINATION MEANS**
[54] **PULSEUR DE BOUE DOTE D'UN DISTRIBUTEUR A CLAPET ET DE MECANISMES DE DETERMINATION DE DEPLACEMENT LINEAIRE**
[72] PARE, QUENTIN, CA
[72] BROWN, CARL, CA
[72] AUER, THOMAS, CA
[72] THOMAS, BEN, CA
[73] VERTEX DOWNHOLE LTD., CA
[86] (2879026)
[87] (2879026)
[22] 2015-01-20

[11] **2,879,177**
[13] C
[51] **Int.Cl. B41J 2/01 (2006.01) B41M 5/025 (2006.01)**
[25] EN
[54] **AQUEOUS INK JET BLANKET**
[54] **BLANCHET POUR JET D'ENCRE AQUEUSE**
[72] KELLY, MATTHEW MICHAEL, US
[72] METTU, SRINIVAS, US
[72] CONDELLO, ANTHONY SALVATORE, US
[72] BADESHA, SANTOKH S., US
[72] KANUNGO, MANDAKINI, US
[72] GERVASI, DAVID JOSEPH, US
[72] LIU, CHU-HENG, US
[73] XEROX CORPORATION, US
[86] (2879177)
[87] (2879177)
[22] 2015-01-15
[30] US (14/165897) 2014-01-28

[11] **2,879,422**
[13] C
[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **INLINE MOTORIZED LOCK DRIVE FOR SOLENOID REPLACEMENT**
[54] **DISPOSITIF MOTORISE DE COMMANDE DE SERRURE EN SERIE POUR REMPLACEMENT DE SOLENOIDE**
[72] ELLIS, DAVID D., US
[72] LOWDER, SCOTT B., US
[73] SARGENT MANUFACTURING COMPANY, US
[85] 2015-01-16
[86] 2013-08-09 (PCT/US2013/054352)
[87] (WO2014/028332)
[30] US (61/683,455) 2012-08-15

[11] **2,881,167**
[13] C
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **AUTHORIZATION METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL, ET SYSTEME D'AUTORISATION**
[72] ZHANG, XIAOLONG, CN
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
[85] 2015-02-04
[86] 2013-06-07 (PCT/CN2013/076918)
[87] (WO2014/023124)
[30] CN (201210282560.1) 2012-08-09

[11] **2,881,261**
[13] C
[51] **Int.Cl. G01F 1/84 (2006.01)**
[25] EN
[54] **CORIOLIS FLOWMETER AND METHOD WITH IMPROVED METER ZERO**
[54] **DEBITMETRE DE CORIOLIS ET PROCEDE AYANT UN ZERO DE DISPOSITIF DE MESURE AMELIORE**
[72] RAO, MANOJ, IN
[72] VIDHATE, ANAND, IN
[72] CUNNINGHAM, TIMOTHY J., US
[73] MICRO MOTION, INC., US
[85] 2015-02-05
[86] 2012-08-21 (PCT/US2012/051714)
[87] (WO2014/031103)

[11] **2,881,348**
[13] C
[51] **Int.Cl. A61K 36/484 (2006.01) A61K 31/7076 (2006.01) A61K 36/725 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR INCREASING CONTENT AND AVAILABILITY OF CYCLIC ADENOSINE MONOPHOSPHATE IN A BODY AND THE PREPARATION THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE AUGMENTANT LA TENEUR ET LA DISPONIBILITE DE L'AMP CYCLIQUE IN VIVO, ET SON PROCEDE DE PREPARATION**
[72] HSING, CHIH-KUANG, CN
[73] CHI, YU-FEN, CN
[85] 2015-02-05
[86] 2012-08-15 (PCT/CN2012/080191)
[87] (WO2014/026341)

[11] **2,882,384**
[13] C
[51] **Int.Cl. C22B 1/00 (2006.01) C22B 3/10 (2006.01) C22B 15/00 (2006.01)**
[25] EN
[54] **HEAP LEACHING METHOD**
[54] **PROCEDE DE LIXIVIATION EN TAS**
[72] PATINO MARTINEZ, EDUARDO LUIS, CL
[72] NICOL, MICHAEL JAMES, AU
[72] RAUTENBACH, GEORGE FREDERICK, CL
[73] BHP CHILE INC., CL
[85] 2015-02-18
[86] 2013-08-21 (PCT/IB2013/001810)
[87] (WO2014/030048)
[30] ZA (2012/06310) 2012-08-22

[11] **2,883,111**
[13] C
[51] **Int.Cl. F22D 1/18 (2006.01) F22D 1/02 (2006.01)**
[25] EN
[54] **HEAT RECOVERY SYSTEM AND HEAT RECOVERY METHOD**
[54] **SYSTEME DE RECUPERATION DE CHALEUR ET PROCEDE DE RECUPERATION DE CHALEUR**
[72] HONJO, SHINTARO, US
[72] TSUJIUCHI, TATSUYA, US
[72] ITO, MOTOFUMI, US
[72] WU, TIFFANY, US
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2015-02-25
[86] 2013-08-23 (PCT/JP2013/072614)
[87] (WO2014/038412)
[30] US (13/605199) 2012-09-06

[11] **2,883,473**
[13] C
[51] **Int.Cl. B07B 1/40 (2006.01) B07B 1/42 (2006.01) B07B 1/46 (2006.01) B07B 1/50 (2006.01) B07B 1/52 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ULTRASOUND SCREENING**
[54] **DISPOSITIF ET PROCEDE DESTINES AU TAMISAGE PAR ULTRA-SONS**
[72] KISING, JURGEN, CH
[73] ARTECH ULTRASONIC SYSTEMS AG, CH
[85] 2015-02-26
[86] 2013-04-18 (PCT/EP2013/058129)
[87] (WO2014/040762)
[30] DE (10 2012 108 529.3) 2012-09-12

[11] **2,883,980**
[13] C
[51] **Int.Cl. B21J 5/02 (2006.01) C21D 9/32 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING AN INTERNALLY AND EXTERNALLY TOOTHED POT-SHAPED SHEET METAL PART USING A FORMING HEAD**
[54] **PROCEDE ET DISPOSITIF DE PRODUCTION D'UNE PIECE METALLIQUE EN FORME DE POT COMPORTANT DES DENTS INTERNES ET EXTERNES A L'AIDE D'UNE TETE DE FORMAGE**
[72] SCHLAYER, DIETMAR, DE
[72] ZIESEL, NORBERT, DE
[73] WEBO WERKZEUGBAU OBERSCHWABAN GMBH, DE
[86] (2883980)
[87] (2883980)
[22] 2015-03-04
[30] DE (10 2014 002 971.9) 2014-03-06

[11] **2,885,163**
[13] C
[51] **Int.Cl. F23N 5/00 (2006.01)**
[25] EN
[54] **FLAME INSTABILITY MONITORING WITH DRAFT PRESSURE AND PROCESS VARIABLE**
[54] **SURVEILLANCE DE L'INSTABILITE DE COMBUSTION AVEC LA PRESSION DE TIRAGE ET UNE VARIABLE DE TRAITEMENT**
[72] MILLER, JOHN P., US
[72] SHARPE, JOSEPH H., US
[73] ROSEMOUNT INC., US
[85] 2015-03-16
[86] 2013-09-19 (PCT/US2013/060615)
[87] (WO2014/047284)
[30] US (61/703,977) 2012-09-21

[11] **2,886,122**
[13] C
[51] **Int.Cl. G05D 1/10 (2006.01) B64C 13/18 (2006.01) F41G 9/00 (2006.01) F42B 15/01 (2006.01)**
[25] EN
[54] **FLIGHT VEHICLE AUTOPILOT**
[54] **PILOTE AUTOMATIQUE DE VEHICULE AERIEN**
[72] WISE, KEVIN A., US
[72] LAVRETSKY, EUGENE, US
[72] ROBERTS, BRIAN C., US
[72] FRANCIS, JAMES H., JR., US
[73] THE BOEING COMPANY, US
[86] (2886122)
[87] (2886122)
[22] 2015-03-24
[30] US (14/316,053) 2014-06-26

[11] **2,886,435**
[13] C
[51] **Int.Cl. A01G 25/16 (2006.01)**
[25] EN
[54] **IRRIGATION CONTROLLER**
[54] **CONTROLEUR D'IRRIGATION**
[72] WANG, KING-YUAN, TW
[72] CHENG, CHI-HAN, TW
[73] YUAN-MEI CORP., TW
[86] (2886435)
[87] (2886435)
[22] 2015-03-25

[11] **2,886,778**
[13] C
[51] **Int.Cl. G01V 1/28 (2006.01) G01V 1/30 (2006.01) G01V 1/40 (2006.01)**
[25] EN
[54] **PROPAGATING FRACTURE PLANE UPDATES**
[54] **PROPAGATION DES MISES A JOUR DE PLANS DE FRACTURE**
[72] LIN, AVI, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-03-30
[86] 2013-08-19 (PCT/US2013/055612)
[87] (WO2014/055163)
[30] US (61/710,582) 2012-10-05
[30] US (13/896,425) 2013-05-17

[11] **2,887,768**
[13] C
[51] **Int.Cl. E02D 27/00 (2006.01) E02D 31/02 (2006.01)**
[25] EN
[54] **PREFABRICATED WALL MODULE AND METHOD OF BUILDING A FOUNDATION WALL**
[54] **MODULE MURAL PREFABRIQUE ET METHODE DE CONSTRUCTION D'UN MUR DE FONDATION**
[72] WOZNUK, WADE A., CA
[73] WOZNUK, WADE A., CA
[86] (2887768)
[87] (2887768)
[22] 2015-04-10

[11] **2,888,022**
[13] C
[51] **Int.Cl. A23G 4/02 (2006.01) A23G 4/04 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING STRIP-SHAPED OBJECTS, IN PARTICULAR STICKS OF CHEWING GUM**
[54] **PROCEDE ET DISPOSITIF POUR FABRIQUER DES ARTICLES EN FORME DE BANDE, NOTAMMENT DES BANDES DE GOMME A MACHER**
[72] BACKES, ALEXANDER, DE
[72] BEHRENS, ANDREAS, DE
[73] LOESCH VERPACKUNGSTECHNIK GMBH, DE
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[25] EN
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DESTINES AUDIT SYSTEME**
[72] LEITCH, OLAN, US
[72] MARREN, SEAN, US
[72] MCDOWELL, DESTREY C., US
[72] BUZZA, STEPHEN A., US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
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[54] **TIGER STRIPE MODIFIER**
[54] **MODIFICATEUR DE ZEBRURES**
[72] TRANNINGER, MICHAEL, AT
[72] GRESTENBERGER, GEORG, AT
[72] SANDHOLZER, MARTINA, AT
[72] SCHWARZENBERGER, SIMON, AT
[72] KAHLEN, SUSANNE, AT
[72] POTTER, GREGORY, AT
[73] BOREALIS AG, AT
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[54] **CONNECTOR ANCHOR HAVING MULTIPLE DIRECTION CONNECTIVITY**
[54] **ANCRAGE DE RACCORDEMENT DOTE D'UNE CONNECTIVITE MULTIDIRECTIONNELLE**
[72] BREEDEN, WINSTON, US
[72] CHEPLA, RYAN WILLIAM, US
[72] MISENER, AARON, US
[73] WINSTON PRODUCTS LLC, US
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[87] (2889621)
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[51] **Int.Cl. A23K 20/158 (2016.01) A23K 10/38 (2016.01) A23K 20/10 (2016.01) A23K 50/00 (2016.01) A23K 50/75 (2016.01)**
[25] EN
[54] **METHOD OF FEEDING LIVESTOCK TO IMPROVE CARCASS CHARACTERISTICS**
[54] **PROCEDE D'ALIMENTATION DE BETAIL POUR AMELIORER LES CARACTERISTIQUES DE CARCASSE**
[72] WEISS, STEVEN P., US
[72] HAGEN, CHAD D., US
[72] PURSER, KENNETH W., US
[72] SONG, RAN, US
[72] GREEN, DALE W., US
[72] CAST, WAYNE, US
[73] NUTRIQUEST, LLC, US
[85] 2015-04-29
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[25] EN
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DUDIT SYSTEME**
[72] LEITCH, OLAN, US
[72] DUQUE, LUIS, US
[72] SHIAO, MING-LIANG, US
[72] RAIKAR, SUDHIR, US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
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[54] **VALVE TRONQUEE DE PROTHESES DE VALVULE CARDIAQUE**
[72] BRUCHMAN, WILLIAM C., US
[72] HARTMAN, CODY L., US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2015-05-28
[86] 2013-12-16 (PCT/US2013/075274)
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[30] US (61/739,721) 2012-12-19
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[25] EN
[54] **CAR-COUPLER BUFFER AND RAILWAY CAR**
[54] **TAMPON D'ATTELAGE DE VEHICULES ET VEHICULE DE CHEMIN DE FER**
[72] WANG, XIAOLONG, CN
[72] YU, YUEBIN, CN
[72] HU, HAIBIN, CN
[72] CHEN, LONG, CN
[72] WANG, CHANGCHUN, CN
[72] MENG, QINGMIN, CN
[73] CRRC QIQIHAR ROLLING STOCK CO., LTD. DALIAN RESEARCH & DEVELOPMENT CENTER, CN
[73] CRRC QIQIHAR ROLLING STOCK CO., LTD., CN
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[25] EN
[54] **NATURAL GAS DEHYDRATOR AND SYSTEM**
[54] **DESHYDRATEUR ET SYSTEME DE RECIRCULATION DE GAZ NATUREL**
[72] HEATH, RODNEY T., US
[72] HEATH, FORREST D., US
[73] HEATH, RODNEY T., US
[73] HEATH, FORREST D., US
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[54] **RECEPTEUR-EMETTEUR**
[72] KOMRAKOV, EVGENY VYACHESLAVOVICH, RU
[73] QUANTRILL ESTATE INC., VG
[85] 2015-04-09
[86] 2013-12-18 (PCT/RU2013/001133)
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[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **PREFILLABLE AUTO-RETRACTABLE SAFETY SYRINGE**
[54] **SERINGUE DE SECURITE AUTORETRACTABLE PREREMPLISSABLE**
[72] LIN LEE, LEE, CN
[72] CHANG, WEN-HSU, CN
[73] BENCHA INTERNATIONAL GROUP INC., CN
[85] 2015-06-04
[86] 2013-12-19 (PCT/CN2013/089924)
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[51] **Int.Cl. B66B 9/04 (2006.01) B66B 5/00 (2006.01) F16M 1/00 (2006.01)**
[25] EN
[54] **UNDER CAR POWER UNIT**
[54] **BLOC D'ALIMENTATION SOUS CABINE D'ASCENSEUR**
[72] HAMLETT, ANTHONY FRANK, US
[72] BAILEY, AARON, US
[72] JACKSON, CHRIS B., US
[72] CHOI, SANG, US
[73] THYSSENKRUPP ELEVATOR CORPORATION, US
[86] (2894360)
[87] (2894360)
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[30] US (14/320439) 2014-06-30

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[13] C
[51] **Int.Cl. A61K 9/127 (2006.01) A61P 7/08 (2006.01)**
[25] EN
[54] **LIPOSOME COMPOSITION FOR USE IN PERITONEAL DIALYSIS**
[54] **COMPOSITION DE LIPOSOME DESTINEE A ETRE UTILISEE DANS UNE DIALYSE PERITONEALE**
[72] LEROUX, JEAN-CHRISTOPHE, CH
[72] FORSTER, VINCENT, CH
[73] ETH ZURICH, CH
[85] 2015-02-09
[86] 2013-08-06 (PCT/EP2013/002352)
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[30] EP (12005796.3) 2012-08-09

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[13] C
[51] **Int.Cl. B65G 69/20 (2006.01) B63B 25/04 (2006.01) B65G 67/60 (2006.01)**
[25] EN
[54] **METHOD FOR UNLOADING WATER-CONTAINING BULK MATERIAL**
[54] **PROCEDE DE DECHARGEMENT DE MATERIAU EN VRAC CONTENANT DE L'EAU**
[72] KINUGASA, YUKI, JP
[72] HAYASAKA, YASUKAZU, JP
[72] OYA, KENJI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2015-06-11
[86] 2012-12-28 (PCT/JP2012/084038)
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[11] **2,898,152**
[13] C
[51] **Int.Cl. H04N 19/174 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR VIDEO ENCODING FOR EACH SPATIAL SUB-AREA, AND METHOD AND APPARATUS FOR VIDEO DECODING FOR EACH SPATIAL SUB-AREA**
[54] **PROCEDE ET APPAREIL DE CODAGE VIDEO DE CHAQUE SOUS-ZONE SPATIALE ET PROCEDE ET APPAREIL DE DECODAGE DE CHAQUE SOUS-ZONE SPATIALE**
[72] LEE, TAMMY, KR
[72] CHOI, BYEONG-DOO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (2898152)
[87] (2898152)
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[11] **2,899,057**
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[51] **Int.Cl. C09B 67/46 (2006.01) C09D 11/328 (2014.01) C08J 3/20 (2006.01) C08L 75/04 (2006.01) C09K 9/02 (2006.01) C09K 11/02 (2006.01)**
[25] EN
[54] **ENCAPSULATED FLUORESCENT AND PHOTOCHROMIC DYE POLYURETHANE DISPERSION**
[54] **DISPERSION DE POLYURETHANE COLORANT FLUORESCENT ET PHOTOCHROMIQUE ENCAPSULE**
[72] BANNING, JEFFERY H., US
[72] YAO, JIAN, US
[72] MOORE, KELLEY A., US
[72] THOMAS, JULE W., JR., US
[72] MEINHARDT, MICHAEL B., US
[72] LUCAS, PAUL C., US
[72] GONZALEZ, JESUS, JR., US
[72] IFTIME, GABRIEL, CA
[72] WU, BO, US
[73] XEROX CORPORATION, US
[86] (2899057)
[87] (2899057)
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[30] US (14/451380) 2014-08-04

[11] **2,899,062**
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[51] **Int.Cl. C09B 67/46 (2006.01) C09D 11/328 (2014.01) C08J 3/20 (2006.01) C08L 75/04 (2006.01)**
[25] EN
[54] **ENCAPSULATED VISIBLE LIGHT ABSORBING DYE POLYURETHANE DISPERSION**
[54] **DISPERSION DE POLYURETHANE COLORANT ABSORBANT LA LUMIERE VISIBLE ENCAPSULEE**
[72] BANNING, JEFFERY H., US
[72] MOORE, KELLEY A., US
[72] YAO, JIAN, US
[72] GONZALEZ, JESUS JR., US
[72] THOMAS, JULE W. JR., US
[72] MEINHARDT, MICHAEL B., US
[73] XEROX CORPORATION, US
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[87] (2899062)
[22] 2015-07-27
[30] US (14/451357) 2014-08-04

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[13] C
[51] **Int.Cl. E21B 43/22 (2006.01) E21B 43/11 (2006.01) E21B 43/27 (2006.01)**
[25] EN
[54] **CONTROLLING NET TREATING PRESSURE IN A SUBTERRANEAN REGION**
[54] **REGULATION DE PRESSION DE TRAITEMENT NETTE DANS UNE REGION SOUTERRAINE**
[72] DUSTERHOFT, RONALD GLEN, US
[72] ALLISON, DAVID BLAIR, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-08-07
[86] 2014-02-14 (PCT/US2014/016559)
[87] (WO2014/158427)
[30] US (13/804,547) 2013-03-14

[11] **2,900,856**
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[51] **Int.Cl. C09D 183/06 (2006.01) C08G 77/00 (2006.01) C08G 77/26 (2006.01) C08G 77/38 (2006.01)**
[25] EN
[54] **AMINE-TERMINATED, SUBSTANTIALLY LINEAR SILOXANE COMPOUND AND EPOXY PRODUCTS MADE WITH THE SAME**
[54] **COMPOSE DE SILOXANE PRATIQUEMENT LINEAIRE, TERMINE PAR UNE AMINE ET PRODUITS EPOXY FABRIQUES AVEC LEDIT COMPOSE**
[72] CHRISTIANO, STEVEN P., US
[72] HOY, OLHA V., US
[72] LEVER, JOHN G., US
[72] HAYES, NATHANIEL O., US
[73] MILLIKEN & COMPANY, US
[85] 2015-08-10
[86] 2014-03-19 (PCT/US2014/031233)
[87] (WO2014/165325)
[30] US (61/807,293) 2013-04-01
[30] US (14/218,101) 2014-03-18

[11] **2,900,861**
[13] C
[51] **Int.Cl. E21B 47/005 (2012.01) E21B 47/14 (2006.01)**
[25] EN
[54] **NORMALIZATION OF SECTOR AMPLITUDES USING MONOPOLE AMPLITUDES**
[54] **NORMALISATION D'AMPLITUDES DE SECTEUR EMPLOYANT DES AMPLITUDES MONOPOLES**
[72] BLANKINSHIP, THOMAS J., US
[72] SCHOCH, PETER J., US
[72] TELLO, LUCIO N., US
[72] CASTON, GREGORY J., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2900861)
[87] (2900861)
[22] 2015-08-18
[30] US (14/463,289) 2014-08-19

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[13] C
[51] **Int.Cl. G10L 19/025 (2013.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR GENERATING AN ENCODED SIGNAL OR FOR DECODING AN ENCODED AUDIO SIGNAL USING A MULTI OVERLAP PORTION**
[54] **APPAREIL ET PROCEDE PERMETTANT DE GENERER UN SIGNAL CODE OU DE DECODER UN SIGNAL AUDIO CODE AU MOYEN D'UNE PARTIE A CHEVAUCHEMENTS MULTIPLES**
[72] HELMRICH, CHRISTIAN, DE
[72] LECOMTE, JEREMIE, DE
[72] MARKOVIC, GORAN, DE
[72] SCHNELL, MARKUS, DE
[72] EDLER, BERND, DE
[72] REUSCHL, STEFAN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2015-08-13
[86] 2014-02-20 (PCT/EP2014/053287)
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[30] US (61/767,115) 2013-02-20

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[13] C
[51] **Int.Cl. C07K 16/18 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **PAN-ELR+ CXC CHEMOKINE ANTIBODIES**
[54] **ANTICORPS PAN-ELR+ CXC CHIMIOKINE**
[72] BEILDER, CATHERINE BRAUTIGAM, US
[72] KIKLY, KRISTINE KAY, US
[72] STRIFLER, BETH ANN, US
[72] WITCHER, DERRICK RYAN, US
[72] BOYLES, JEFFREY STREETMAN, US
[73] ELI LILLY AND COMPANY, US
[85] 2015-08-14
[86] 2014-03-05 (PCT/US2014/020605)
[87] (WO2014/149733)
[30] US (61/792,800) 2013-03-15

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[13] C
[51] **Int.Cl. D21H 21/16 (2006.01) D21H 17/07 (2006.01)**
[25] EN
[54] **AQUEOUS EMULSION OF A SIZING AGENT**
[54] **EMULSION AQUEUSE D'UN AGENT DE COLLAGE**
[72] HAUFE, INGRID, DE
[72] MOLLER, KLAUS, DE
[72] KURUCZ, ATTILA, AT
[73] BASF SE, DE
[85] 2015-08-17
[86] 2014-02-24 (PCT/IB2014/059202)
[87] (WO2014/132175)
[30] US (61/771099) 2013-03-01
[30] EP (13157373.5) 2013-03-01

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[13] C
[51] **Int.Cl. H04N 21/4728 (2011.01) H04N 21/234 (2011.01) H04N 21/254 (2011.01) H04N 21/4722 (2011.01) G06F 3/0488 (2013.01) H04N 21/422 (2011.01)**
[25] EN
[54] **TELESTRATION SYSTEM FOR COMMAND PROCESSING**
[54] **SYSTEME DE TELE-ILLUSTRATION POUR TRAITEMENT DE COMMANDE**
[72] AYOUB, RAMY S., US
[72] MOK, SWEE M., US
[73] ARRIS ENTERPRISES LLC, US
[85] 2015-08-24
[86] 2014-03-07 (PCT/US2014/022167)
[87] (WO2014/164371)
[30] US (13/794,763) 2013-03-11

[11] **2,903,439**
[13] C
[51] **Int.Cl. H01F 1/20 (2006.01) H01F 1/147 (2006.01) H01F 3/08 (2006.01)**
[25] EN
[54] **POWDER FOR MAGNETIC CORE, METHOD OF PRODUCING DUST CORE, DUST CORE, AND METHOD OF PRODUCING POWDER FOR MAGNETIC CORE**
[54] **POUDRE POUR TORE MAGNETIQUE, METHODE DE PRODUCTION DE TORE AGGLOMERE, TORE AGGLOMERE ET METHODE DE PRODUCTION DE POUDRE DESTINEE A UN TORE MAGNETIQUE**
[72] OHTSUBO, MASASHI, JP
[72] TANI, MASAAKI, JP
[72] HATTORI, TAKESHI, JP
[72] HWANG, JUNGHWAN, JP
[72] HARA, MASASHI, JP
[72] TAJIMA, SHIN, JP
[72] SAIGUSA, SHINJIRO, JP
[72] ISHII, KOHEI, JP
[72] OKAMOTO, DAISUKE, JP
[72] TAKAHASHI, TOSHIMITSU, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2903439)
[87] (2903439)
[22] 2015-09-03
[30] JP (2014-182730) 2014-09-08

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[13] C
[51] **Int.Cl. C07C 17/25 (2006.01) C07C 17/04 (2006.01) C07C 17/06 (2006.01) C07C 17/10 (2006.01) C07C 19/01 (2006.01) C07C 21/04 (2006.01) C07C 21/073 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF CHLORINATED ALKANES**
[54] **PROCEDE POUR LA PRODUCTION D'ALCANES CHLORES**
[72] TIRTOWIDJOJO, MAX M., US
[72] LAITAR, DAVID S., US
[72] GRANDBOIS, MATTHEW L., US
[72] KRUPER, WILLIAM J., JR., US
[72] CALVERLEY, EDWARD M., US
[73] BLUE CUBE IP LLC, US
[85] 2015-09-02
[86] 2014-03-07 (PCT/US2014/022164)
[87] (WO2014/164368)
[30] US (61/775,497) 2013-03-09

[11] **2,903,818**
[13] C
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 3/14 (2006.01) G06F 17/50 (2006.01)**
[25] EN
[54] **METHOD FOR EMPHASIZING DIFFERENCES IN GRAPHICAL APPEARANCE BETWEEN AN ORIGINAL DOCUMENT AND A MODIFIED DOCUMENT WITH ANNOTATIONS**
[54] **PROCEDE DE MISE EN VALEUR DES DIFFERENCES D'APPARENCE GRAPHIQUE ENTRE UN DOCUMENT ORIGINAL ET UN DOCUMENT MODIFIE PRESENTANT DES ANNOTATIONS**
[72] HARTMANN, BRIAN, US
[72] GUNDERSON, BENJAMIN, US
[73] BLUEBEAM SOFTWARE, INC., US
[86] (2903818)
[87] (2903818)
[22] 2008-01-17
[62] 2,676,487
[30] US (11/626, 631) 2007-01-24

[11] **2,903,912**
[13] C
[51] **Int.Cl. H02J 13/00 (2006.01)**
[25] EN
[54] **NETWORK FOR ONLINE MONITORING OF POWER TRANSFORMER AT INTELLIGENT SUBSTATION**
[54] **RESEAU POUR SURVEILLANCE EN LIGNE DE TRANSFORMATEUR DE PUISSANCE DANS UN POSTE ELECTRIQUE INTELLIGENT**
[72] LIN, QIYOU, CN
[72] WANG, LIUFANG, CN
[72] GAO, JIWEI, CN
[72] DING, GUOCHENG, CN
[72] PENG, ZHIQUAN, CN
[72] ZHU, TAIYUN, CN
[72] ZHANG, CHANGLI, CN
[72] LI, TAO, CN
[73] STATE GRID ANHUI WUHU POWER SUPPLY COMPANY, CN
[73] STATE GRID CORPORATION OF CHINA (SGCC), CN
[85] 2015-09-03
[86] 2014-02-25 (PCT/CN2014/072515)
[87] (WO2014/135015)
[30] CN (201310073809.2) 2013-03-07

[11] **2,905,052**
[13] C
[51] **Int.Cl. A63B 53/04 (2015.01) A63B 53/00 (2015.01)**
[25] EN
[54] **GOLF CLUB HEADS WITH OPTIMIZED CHARACTERISTICS AND RELATED METHODS**
[54] **TETES DE CLUB DE GOLF AYANT DES CARACTERISTIQUES OPTIMISEES, ET PROCEDES ASSOCIES**
[72] SCHWEIGERT, BRADLEY D., US
[72] STOKKE, RYAN M., US
[73] KARSTEN MANUFACTURING CORPORATION, US
[85] 2015-09-09
[86] 2014-03-14 (PCT/US2014/028134)
[87] (WO2014/152890)
[30] US (13/804,859) 2013-03-14
[30] US (13/804,917) 2013-03-14
[30] US (13/826,111) 2013-03-14

[11] **2,905,056**
[13] C
[51] **Int.Cl. A63B 53/04 (2015.01)**
[25] EN
[54] **GOLF CLUB HEADS WITH OPTIMIZED CHARACTERISTICS AND RELATED METHODS**
[54] **TETES DE CLUB DE GOLF A CARACTERISTIQUES OPTIMISEES ET PROCEDES ASSOCIES**
[72] SCHWEIGERT, BRADLEY D., US
[72] STOKKE, RYAN M., US
[73] KARSTEN MANUFACTURING CORPORATION, US
[85] 2015-09-09
[86] 2014-03-14 (PCT/US2014/028157)
[87] (WO2014/152899)
[30] US (13/804,859) 2013-03-14
[30] US (13/804,917) 2013-03-14
[30] US (13/826,111) 2013-03-14

[11] **2,905,255**
[13] C
[51] **Int.Cl. B23P 21/00 (2006.01)**
[25] EN
[54] **METHOD FOR BONDING FUSELAGE AND STRONGBACK**
[54] **PROCEDE DE COLLAGE D'UN FUSELAGE ET D'UNE PIECE DE RENFORT**
[72] YANAGIHARA, HIDEYASU, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2015-09-10
[86] 2014-03-17 (PCT/JP2014/057059)
[87] (WO2014/156745)
[30] JP (2013-073092) 2013-03-29

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[54] **MODIFIED LECITHIN CORROSION INHIBITOR IN FLUID SYSTEMS**
[54] **INHIBITEUR DE LA CORROSION DE LECITHINE MODIFIEE DANS DES SYSTEMES FLUIDES**
[72] CARTER, AMY E., US
[72] HAGEN, CARLTON E., US
[72] GLOVER, DANIEL, US
[72] JENKINS, DONALD G., US
[73] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
[85] 2015-09-10
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[30] US (61/783,756) 2013-03-14

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[25] EN
[54] **PRESSURE ADJUSTMENT APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE REGLAGE DE LA PRESSION**
[72] ROWE, DAVID TROY, US
[72] VICTOR, JOHN C., US
[72] VITULLO, JEFFREY, US
[72] DENLINGER, RODNEY WILMER, US
[73] TELEFLEX MEDICAL INCORPORATED, US
[85] 2015-09-11
[86] 2014-03-14 (PCT/US2014/027834)
[87] (WO2014/152812)
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[51] **Int.Cl. C10G 1/04 (2006.01)**
[25] EN
[54] **BITUMEN PRODUCTION FROM SINGLE OR MULTIPLE OIL SAND MINES**
[54] **PRODUCTION DE BITUME A PARTIR D'UNE OU DE PLUSIEURS MINES DE SABLES BITUMINEUX**
[72] SPENCE, JONATHAN, CA
[72] NG, YIN MING SAMSON, CA
[72] SIY, ROBERT, CA
[72] BARA, BARRY, CA
[72] LONG, JUN, CA
[72] REID, KEVIN, CA
[72] LORENTZ, JAMES, CA
[72] HOSKINS, SHANE, CA
[73] SYNCRUDE CANADA LTD., CA
[86] (2906441)
[87] (2906441)
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[25] EN
[54] **IN-LINE WATER HAMMER ARRESTER**
[54] **DISPOSITIF D'ARRET DE COUP DE BELIER EN LIGNE**
[72] CONDON, DUANE, US
[72] GHIGLIERI, BILL, US
[73] LSP PRODUCTS GROUP, INC., US
[73] CONDON, DUANE, US
[85] 2015-09-14
[86] 2014-12-17 (PCT/US2014/070742)
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[30] US (14/109,116) 2013-12-17
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[51] **Int.Cl. C07H 3/02 (2006.01) C13K 1/00 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL PROCESS AND SYSTEM FOR PRODUCING GLUCOSE**
[54] **PROCEDE ELECTROCHIMIQUE ET SYSTEME DE PRODUCTION DE GLUCOSE**
[72] SOLIS HERRERA, ARTURO, MX
[73] SOLIS HERRERA, ARTURO, MX
[85] 2015-09-15
[86] 2014-03-12 (PCT/IB2014/000315)
[87] (WO2014/140740)
[30] US (61/787,338) 2013-03-15

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[51] **Int.Cl. B05C 17/02 (2006.01) B25G 1/04 (2006.01)**
[25] EN
[54] **EXTENSION POLE MECHANISM FOR PAINT ROLLER**
[54] **MECANISME DE PERCHE D'EXTENSION POUR ROULEAU A PEINDRE**
[72] LAMBERTSON, MICHAEL C., JR., US
[72] FORMAN-HOUSE, RITA, US
[72] DE RENZO, DENNIS P., JR., US
[72] O'BANION, MICHAEL, US
[73] THE SHERWIN-WILLIAMS COMPANY, US
[85] 2015-09-15
[86] 2014-03-13 (PCT/US2014/025405)
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[25] EN
[54] **EXTENSION POLE MECHANISM FOR PAINT ROLLER**
[54] **MECANISME DE MANCHE EXTENSIBLE POUR ROULEAU A PEINDRE**
[72] LAMBERTSON, MICHAEL C., JR., US
[72] FORMAN-HOUSE, RITA, US
[72] DE RENZO, DENNIS P., JR., US
[72] O'BANION, MICHAEL, US
[73] THE SHERWIN-WILLIAMS COMPANY, US
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[25] EN
[54] **A METHOD OF EXTRACTION OF AN ENZYME FROM PLANT OR ANIMAL TISSUE**
[54] **PROCEDE D'EXTRACTION D'UNE ENZYME A PARTIR D'UN TISSU VEGETAL OU ANIMAL**
[72] DIAS, MAHATHELGE DILIP, US
[73] SYNGENTA PARTICIPATIONS AG, CH
[85] 2015-08-10
[86] 2013-02-15 (PCT/US2013/026303)
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[25] EN
[54] **HUMIDIFICATION DEVICE AND AIR CONDITIONER WITH HUMIDIFICATION DEVICE**
[54] **DISPOSITIF D'HUMIDIFICATION ET CLIMATISEUR COMPRENANT UN DISPOSITIF D'HUMIDIFICATION**
[72] SAKAI, TAKAHIRO, JP
[72] MORIKAWA, AKIRA, JP
[72] INANAGA, YASUTAKA, JP
[72] MICHIKAMI, KAZUYA, JP
[72] TAKADA, MASARU, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2015-09-22
[86] 2014-01-30 (PCT/JP2014/052169)
[87] (WO2014/174867)
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[51] **Int.Cl. C04B 7/345 (2006.01) C04B 28/04 (2006.01) C04B 40/00 (2006.01)**
[25] EN
[54] **BELITE CALCIUM ALUMINATE AS AN ADDITIVE**
[54] **ALUMINATE DE CALCIUM-BELITE COMME ADDITIF**
[72] SCHMITT, DIRK, DE
[72] BEN HAHA, MOHSEN, DE
[72] ITUL, ANCA, DE
[72] SPENCER, NICOLAS, DE
[73] HEIDELBERGCEMENT AG, DE
[85] 2015-09-24
[86] 2014-05-07 (PCT/EP2014/001215)
[87] (WO2014/183845)
[30] EP (13002496.1) 2013-05-11
[30] EP (13005291.3) 2013-11-11
[30] EP (13005528.8) 2013-11-28

[11] **2,907,900**
[13] C
[51] **Int.Cl. B65B 21/02 (2006.01) B65B 35/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PACKAGING OF NESTED PRODUCTS**
[54] **SYSTEME ET PROCEDE DE CONDITIONNEMENT DE PRODUITS IMBRIQUES**
[72] MONCRIEF, FRANK N., US
[72] WARNER, DAVID F., US
[72] FORD, COLIN, US
[73] GRAPHIC PACKAGING INTERNATIONAL, INC., US
[85] 2015-09-23
[86] 2014-04-16 (PCT/US2014/034280)
[87] (WO2014/172409)
[30] US (61/854,154) 2013-04-17

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[25] EN
[54] **METHOD AND SYSTEM FOR SECURING HEAVY LOADS**
[54] **PROCEDE ET SYSTEME DE FIXATION DE CHARGES LOURDES**
[72] PARRIN, DAVID JOHN, NL
[72] WILLEMSE, REMCO CORNELIS, NL
[72] LOUDON, SCOTT D., II., US
[73] CORDSTRAP B.V., NL
[85] 2015-09-25
[86] 2014-03-26 (PCT/EP2014/056102)
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[30] NL (1040133) 2013-03-28

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[25] EN
[54] **ALUMINUM IMPACT EXTRUDED BOTTLE WITH THREADED NECK MADE FROM RECYCLED ALUMINUM AND ENHANCED ALLOYS**
[54] **BOUTEILLE FILEE PAR CHOC, EN ALUMINIUM, AYANT UN COL FILETE FAIT D'ALUMINIUM RECYCLE ET D'ALLIAGES AMELIORES**
[72] SILES, JOHN L., US
[72] VAN DE LIEFVOORT, MATTHIAS K., US
[72] JENTZSCH, KEVIN REED, US
[73] BALL CORPORATION, US
[85] 2015-09-25
[86] 2014-04-07 (PCT/US2014/033182)
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[51] **Int.Cl. B27L 5/00 (2006.01)**
[25] EN
[54] **ELECTRIC VENEER LATHE**
[54] **DEROULEUSE A BOIS DE PLACAGE ELECTRIQUE**
[72] DEZELLEM, TIM, US
[72] O'CONNELL, KEVIN K., US
[72] BRIDGES, FREDERICK REEDER, US
[73] USNR/KOCKUMS CANCAR COMPANY, US
[86] (2908838)
[87] (2908838)
[22] 2015-10-14
[30] US (62/063,948) 2014-10-15
[30] US (62/076,432) 2014-11-06

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[51] **Int.Cl. G01F 1/00 (2006.01) G01F 15/06 (2006.01)**
[25] EN
[54] **VOLUME FLOW SENSOR SYSTEM COMPRISING A MASS FLOWMETER AND A DENSITY METER**
[54] **SYSTEME DE CAPTEUR DE FLUX VOLUMETRIQUE COMPRENANT UN DEBITMETRE MASSIQUE ET UN DENSIMETRE**
[72] WHEELER, SIMON P. H., US
[73] MICRO MOTION, INC., US
[85] 2015-10-21
[86] 2013-04-30 (PCT/US2013/038732)
[87] (WO2014/178828)

[11] **2,910,225**
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[25] EN
[54] **FENESTRATION INSTALLATION ASSEMBLY AND METHOD FOR USING THE SAME**
[54] **DISPOSITIF D'INSTALLATION DE FENETRE ET METHODE D'UTILISATION DUDIT DISPOSITIF**
[72] DREYER, DALE A., US
[72] HODGSON, PETER, US
[72] YLITALO, CHRIS, US
[73] MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS, US
[86] (2910225)
[87] (2910225)
[22] 2015-10-23
[30] US (62/067,546) 2014-10-23

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[51] **Int.Cl. H01M 8/04537 (2016.01) H01M 8/2465 (2016.01) H01M 2/30 (2006.01)**
[25] EN
[54] **FUEL CELL UNIT STRUCTURE**
[54] **STRUCTURE DE MODULE DE PILE A COMBUSTIBLE**
[72] SHIRAKAWA, TSUTOMU, JP
[72] IMANISHI, HIROYUKI, JP
[72] USAMI, NOBORU, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[85] 2015-10-22
[86] 2014-04-14 (PCT/JP2014/060654)
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[30] JP (2013-090309) 2013-04-23

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[25] EN
[54] **GALVANIZED STEEL SHEET AND METHOD FOR PRODUCING THE SAME**
[54] **TOLE D'ACIER GALVANISEE ET SON PROCEDE DE PRODUCTION**
[72] OKA, MASAHARU, JP
[72] FUJITA, NOBUHIRO, JP
[72] TAKAHASHI, MANABU, JP
[72] OKAMOTO, RIKI, JP
[72] MATSUMURA, KENICHIROH, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2015-10-26
[86] 2014-04-28 (PCT/JP2014/061813)
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[30] JP (2013-096427) 2013-05-01

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[51] **Int.Cl. E21B 23/02 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **DISSOLVABLE SUBTERRANEAN TOOL LOCKING MECHANISM**
[54] **MECANISME DE VERROUILLAGE D'UN OUTIL SOUTERRAIN SOLUBLE**
[72] STOREY, BRYAN T., US
[72] JOSEPH, BASIL J., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-10-28
[86] 2014-04-09 (PCT/US2014/033506)
[87] (WO2014/179008)
[30] US (13/872,512) 2013-04-29

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[51] **Int.Cl. C08L 23/00 (2006.01) C08L 75/00 (2006.01) C08L 95/00 (2006.01) C08L 101/10 (2006.01) E01C 7/32 (2006.01)**
[25] EN
[54] **TRAFFIC SURFACE CONSTRUCTION COMPRISING AT LEAST ONE INTERMEDIATE LAYER**
[54] **CONCEPTION DE SURFACES DE CIRCULATION AVEC AU MOINS UNE COUCHE INTERMEDIAIRE**
[72] KAISER, THOMAS MARKUS, DE
[73] DENSO-HOLDING GMBH & CO., DE
[85] 2015-10-29
[86] 2014-05-02 (PCT/EP2014/001180)
[87] (WO2014/177285)
[30] DE (10 2013 007 449.5) 2013-05-02

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[51] **Int.Cl. E21B 23/01 (2006.01) E21B 23/14 (2006.01)**
[25] EN
[54] **SLIP WITH ALTERING LOAD DISTRIBUTION FEATURE**
[54] **COIN DE RETENUE AVEC FONCTIONNALITE DE DISTRIBUTION DE CHARGE VARIABLE**
[72] MEADOR, CHARLES M., US
[72] KRUEGER, MATTHEW J., US
[72] HERN, CHRISTOPHER R., US
[72] HALFMANN, ERIC, US
[73] BAKER HUGHES INCORPORATED, US
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[87] (WO2014/186082)
[30] US (13/893,565) 2013-05-14

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[13] C
[51] **Int.Cl. H04W 84/20 (2009.01) H04W 76/12 (2018.01) H04W 76/14 (2018.01)**
[25] EN
[54] **WIRELESS LOCAL COMMUNICATION SYSTEMS AND METHODS FROM WAN FALLBACK**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATION LOCALE SANS FIL DEPUIS UN TRAITEMENT DE SECOURS DE WAN**
[72] KLEIN, DAVID E., US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2015-10-30
[86] 2014-03-25 (PCT/US2014/031747)
[87] (WO2014/178960)
[30] US (13/873,649) 2013-04-30

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[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01)**
[25] EN
[54] **HYDROCARBON RESOURCE HEATING SYSTEM INCLUDING CHOKE FLUID DISPENSER AND RELATED METHODS**
[54] **SYSTEME DE CHAUFFAGE DE RESSOURCE D'HYDROCARBURE COMPORTANT UN DISTRIBUTEUR DE FLUIDE ETRANGLEUR ET METHODES ASSOCIEES**
[72] TRAUTMAN, MARK, US
[72] HIBNER, VERLIN, US
[72] HANN, MURRAY, US
[72] WRIGHT, BRIAN, US
[73] HARRIS CORPORATION, US
[86] (2911108)
[87] (2911108)
[22] 2015-11-02
[30] US (14/560,039) 2014-12-04

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[13] C
[51] **Int.Cl. C04B 7/345 (2006.01) C04B 28/04 (2006.01) C04B 40/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A MAGNESIUM SILICATE BELITE CALCIUM ALUMINATE CEMENT**
[54] **PROCEDE DE PRODUCTION D'UN CIMENT DE SILICATE DE MAGNESIUM-BELITE ALUMINATE DE CALCIUM**
[72] BULLERJAHN, FRANK, DE
[72] BEN HAHA, MOHSEN, DE
[72] SPENCER, NICOLAS, DE
[72] ITUL, ANCA, DE
[72] SCHMITT, DIRK, DE
[73] HEIDELBERGCEMENT AG, DE
[85] 2015-11-02
[86] 2014-05-07 (PCT/EP2014/001214)
[87] (WO2014/183844)
[30] EP (13002496.1) 2013-05-11
[30] EP (13005291.3) 2013-11-11
[30] EP (13005528.8) 2013-11-28

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[13] C
[51] **Int.Cl. F28F 13/00 (2006.01) F28F 21/08 (2006.01) F28F 23/00 (2006.01)**
[25] EN
[54] **VARIABLE GEOMETRY HEAT EXCHANGER APPARATUS**
[54] **APPAREIL ECHANGEUR DE CHALEUR A GEOMETRIE VARIABLE**
[72] DIAZ, CARLOS ENRIQUE, US
[72] GERSTLER, WILLIAM DWIGHT, US
[72] STORAGE, MICHAEL RALPH, US
[72] KENWORTHY, MICHAEL THOMAS, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2911757)
[87] (2911757)
[22] 2015-11-05
[30] US (14/535,614) 2014-11-07

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[13] C
[51] **Int.Cl. F16L 21/08 (2006.01) F16L 21/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF COUPLING PIPES**
[54] **SYSTEMES ET PROCEDES DE RACCORD DE TUYAUX**
[72] DELMAR, LUDOVIC, BE
[72] FANNES, ERIC, BE
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-11-16
[86] 2013-07-18 (PCT/US2013/051058)
[87] (WO2015/009305)

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[13] C
[51] **Int.Cl. G01M 1/12 (2006.01) B60C 25/00 (2006.01)**
[25] EN
[54] **TIRE UNIFORMITY IMPROVEMENT THROUGH IDENTIFICATION OF PROCESS HARMONICS FROM STATIC BALANCE MEASUREMENTS**
[54] **AMELIORATION DE L'UNIFORMITE D'UN PNEU PAR IDENTIFICATION DES HARMONIQUES DE PROCESSUS A PARTIR DES MESURES DE L'EQUILIBRE STATIQUE**
[72] MAWBY, WILLIAM, DAVID, US
[72] SIMONS, STEVE, US
[72] TRAYLOR, JAMES, MICHAEL, US
[72] THOMAS, ANTON, FELIPE, US
[72] SAULS, JONATHAN, US
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[73] MICHELIN RECHERCHE ET TECHNIQUE, S.A., CH
[85] 2015-11-13
[86] 2013-06-18 (PCT/US2013/046297)
[87] (WO2014/204443)

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[13] C
[51] **Int.Cl. B03B 9/02 (2006.01) B01D 21/01 (2006.01) B03D 1/02 (2006.01)**
[25] EN
[54] **CLAY FLOTATION OF TAILINGS**
[54] **FLOTTATION A L'ARGILE DES RESIDUS**
[72] YUAN, SIMON, CA
[72] LORENTZ, JAMES, CA
[72] GU, YONG (JOE), CA
[72] SIMAN, RON, CA
[73] SYNCRUDE CANADA LTD., CA
[86] (2912898)
[87] (2912898)
[22] 2015-11-17
[30] US (62/152,450) 2015-04-24

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[51] **Int.Cl. F04B 53/00 (2006.01) F04B 53/16 (2006.01) F04B 53/22 (2006.01)**
[25] EN
[54] **MAGNETIC ANTI-ROTATION DEVICE FOR PUMP ACCESS COVER RETAINER**
[54] **DISPOSITIF ANTI-ROTATION MAGNETIQUE POUR SYSTEME DE RETENUE DE CACHE D'ACCES DE POMPE**
[72] SMITH, JASON D., US
[73] FMC TECHNOLOGIES, INC., US
[85] 2015-11-20
[86] 2013-05-23 (PCT/US2013/042423)
[87] (WO2014/189514)

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[13] C
[51] **Int.Cl. C01G 23/04 (2006.01) B01J 6/00 (2006.01) C01D 15/02 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD OF LITHIUM-TITANIUM COMPOSITE DOPED WITH DIFFERENT METAL, AND LITHIUM-TITANIUM COMPOSITE DOPED WITH DIFFERENT METAL MADE BY SAME**
[54] **PROCEDE DE FABRICATION DE COMPOSITE DE LITHIUM-TITANE DOPE DE METAL DIFFERENT ET COMPOSITE DE LITHIUM-TITANE DOPE DE METAL DIFFERENT AINSI FABRIQUE**
[72] CHOI, SU BONG, KR
[72] CHOI, JUN HWA, KR
[72] KO, HYOUNG SHIN, KR
[72] LEE, JAE AN, KR
[73] POSCO, KR
[73] RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY, KR
[73] POSCO ES MATERIALS CO., LTD., KR
[85] 2015-11-20
[86] 2014-04-09 (PCT/KR2014/003060)
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[30] KR (10-2013-0058563) 2013-05-23

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[13] C
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **INTRAOCULAR LENS SYSTEM**
[54] **SYSTEME DE LENTILLES INTRAOCULAIRES**
[72] KAHOOK, MALIK Y., US
[72] MANDAVA, NARESH, US
[72] SUSSMAN, GLENN, US
[72] MCLEAN, PAUL, US
[72] ATKINSON, ROBERT E., US
[73] CLARVISTA MEDICAL, INC., US
[73] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[85] 2015-11-27
[86] 2014-05-12 (PCT/US2014/037646)
[87] (WO2014/197170)
[30] US (61/830,491) 2013-06-03
[30] US (13/969,115) 2013-08-16

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[13] C
[51] **Int.Cl. G01F 1/84 (2006.01) G01F 25/00 (2006.01)**
[25] EN
[54] **VIBRATORY FLOWMETER AND METHOD FOR METER VERIFICATION**
[54] **DEBITMETRE VIBRATOIRE ET PROCEDE DE VERIFICATION DE DISPOSITIF DE MESURE**
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[72] LARSEN, CHRISTOPHER GEORGE (DECEASED), US
[72] CUNNINGHAM, TIMOTHY J., US
[73] MICRO MOTION, INC., US
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[54] **REDUCTION DES PERTURBATIONS PENDANT UNE DETECTION A FIBRE OPTIQUE**
[72] BARFOOT, DAVID ANDREW, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **COMPOSITION DE LIQUIDE DE REFROIDISSEMENT DE MOTEUR A DUREE UTILE ETENDUE**
[72] TURCOTTE, DAVID E., US
[72] MESZAROS, LADISLAUS, DE
[72] EMBAUGH, DAVID F., US
[72] WU, GEFEI, US
[73] VALVOLINE LICENSING AND INTELLECTUAL PROPERTY LLC, US
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[54] **SYSTEMES ET PROCEDES PERMETTANT DE COMMANDER DES MISES A JOUR D'APPLICATIONS**
[72] SATISH, SOURABH, US
[72] WAWDA, ABUBAKAR A., US
[72] VILJOEN, PETRUS JOHANNES, US
[72] EGAN, GERRY A., US
[73] SYMANTEC CORPORATION, US
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[54] **ROTATIONAL WELLBORE RANGING**
[54] **TELEMETRIE DE PUITS DE FORAGE ROTATIVE**
[72] GOLLA, CHRISTOPHER A., US
[72] BESTE, RANDAL T., US
[72] SIMEONOV, SVETOZAR, US
[72] DONDERICI, BURKAY, US
[72] SAN MARTIN, LUIS E., US
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[54] **PROCEDE DE SOUDAGE PAR RESISTANCE POUR TIGE DE POMPAGE**
[72] GIEBELHAUS, JASON ROBERT, CA
[72] BASLER, HERMANN, CA
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **CLAPET D'ISOLATION DE FOND DE TROU BIDIRECTIONNEL**
[72] MCDOWELL, CHRISTOPHER L., US
[72] NOSKE, JOE, US
[72] KING, KYLE ALLEN, US
[72] HARRALL, SIMON J., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **INSTALLATION DE TURBINE A GAZ**
[72] IWAI, YASUNORI, JP
[72] ITOH, MASAO, JP
[72] MORISAWA, YUICHI, JP
[72] SUZUKI, SHINJU, JP
[73] KABUSHIKI KAISHA TOSHIBA, JP
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[54] **HETEROGENEOUS SENSORS FOR NETWORK DEFENSE**
[54] **DETECTEURS HETEROGENES DESTINES A LA DEFENSE DE RESEAUX**
[72] JORDAN, EAMON HIRATA, US
[72] KELLY, EVAN JOSEPH, US
[72] JORDAN, KEVIN BARRY, US
[73] RESURGO, LLC, US
[85] 2015-12-22
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[54] **POP-UP DRAIN STOPPER LINKAGE ASSEMBLY**
[54] **DISPOSITIF DE RACCORD DE BOUCHON D'EVACUATION A FERMETURE RAPIDE**
[72] LIN, YIPING, TW
[72] LI, CHUNHUNG, TW
[73] GLOBE UNION INDUSTRIAL CORP., TW
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[54] **SYSTEMS AND METHODS FOR PACKET RELAYING**
[54] **SYSTEMES ET PROCEDES POUR UN RELAIS DE PAQUET**
[72] KWON, YOUNGHOON, US
[72] YANG, YUNSONG, US
[72] RONG, ZHIGANG, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **CONTROL SYSTEM FOR AND CONTROL METHOD OF ELECTRIC VEHICLE**
[54] **MECANISME DE COMMANDE ET PROCEDE DE COMMANDE D'UN VEHICULE ELECTRIQUE**
[72] IMANISHI, MASAHIRO, JP
[72] MATSUURA, KOUZO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
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[54] **ARC SPOT WELDED JOINT AND MANUFACTURING METHOD THEREOF**
[54] **JOINT SOUDE A L'ARC PAR POINTS ET PROCEDE PERMETTANT DE PRODUIRE CE DERNIER**
[72] FURUSAKO, SEIJI, JP
[72] KODAMA, SHINJI, JP
[72] MIYAZAKI, YASUNOBU, JP
[72] OIKAWA, HATSUHIKO, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[54] **MODULES ET SYSTEMES A POLARITE OPTIQUE**
[72] DEL GROSSO, STEVE C., US
[72] SHOOK, LARRY K., JR., US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
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[54] **COMBINED PREPARATION OF AT LEAST BUTENE AND OCTENE FROM ETHENE**
[54] **PREPARATION COMBINEE D'AU MOINS DU BUTENE ET DE L'OCTENE A PARTIR DE L'ETHENE**
[72] STOCHNIOL, GUIDO, DE
[72] PEITZ, STEPHAN, DE
[72] MASCHMEYER, DIETRICH, DE
[72] REEKER, HELENE, DE
[72] SCHALLENBERG, JORG, DE
[73] EVONIK DEGUSSA GMBH, DE
[86] (2918121)
[87] (2918121)
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[54] **COMBINED PREPARATION OF BUTENE AND OCTENE FROM ETHENE**
[54] **PREPARATION COMBINEE DE BUTENE ET D'OCTENE A PARTIR D'ETHENE**
[72] STOCHNIOL, GUIDO, DE
[72] REEKER, HELENE, DE
[72] PEITZ, STEPHAN, DE
[72] MASCHMEYER, DIETRICH, DE
[72] SCHALLENBERG, JORG, DE
[72] ZANTHOFF, HORST-WERNER, DE
[72] HAGER, HARALD, DE
[73] EVONIK DEGUSSA GMBH, DE
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[87] (2918122)
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[54] **ANTIPERSPIRANT SPRAY DEVICES AND COMPOSITIONS**
[54] **DISPOSITIFS DE PULVERISATION DE COMPOSITION ANTITRANSPIRANTE ET COMPOSITIONS ASSOCIEES**
[72] MENON, ELTON LUIS, US
[72] SWAILE, DAVID FREDERICK, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-01-13
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[72] WHITLOCK, MICHAEL, US
[73] PALL CORPORATION, US
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[87] (2919020)
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[54] **MEASUREMENT OF CEMENT SLURRY PROPERTIES UNDER DOWNHOLE CONDITIONS**
[54] **MESURES DE PROPRIETES DE LAIT DE CIMENT DANS DES CONDITIONS DE FOND DE PUITS**
[72] KHAMMAR, MEROUANE, US
[72] IVERSON, BENJAMIN, US
[72] SODHI, THOMAS SINGH, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ENHANCEMENT OF WASTEWATER SLUDGE DEWATERING USING SOY FLOUR OR SOY PROTEIN**
[54] **AUGMENTATION DE LA DESHYDRATATION DE BOUES D'EPURATION A L'AIDE DE FARINE DE SOJA OU DE PROTEINES DE SOJA**
[72] DUGGIRALA, PRASAD Y., US
[72] CHENG, WEIGUO, US
[72] MLAMBO, DARLINGTON, US
[73] ECOLAB USA INC., US
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[54] **UPLINK CONTROL INFORMATION SENDING METHOD, AND USER EQUIPMENT AND BASE STATION**
[54] **PROCEDE D'ENVOI D'INFORMATIONS DE COMMANDE DE LIAISON MONTANTE, ET EQUIPEMENT UTILISATEUR ET STATION DE BASE**
[72] YANG, WEIWEI, CN
[72] DAI, BO, CN
[72] LIANG, CHUNLI, CN
[72] XIA, SHUQIANG, CN
[72] FANG, HUIYING, CN
[73] ZTE CORPORATION, CN
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[54] **DETERMINATION D'ORBITE INITIALE (IOD) UNIQUEMENT A PARTIR D'ANGLES**
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[72] SILNY, JOHN F., US
[73] RAYTHEON COMPANY, US
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[54] **THERMODYNAMIC DEVICE AND METHOD OF PRODUCING A THERMODYNAMIC DEVICE**
[54] **DISPOSITIF THERMODYNAMIQUE ET PROCEDE DE PRODUCTION D'UN DISPOSITIF THERMODYNAMIQUE**
[72] SEDLAK, HOLGER, DE
[73] EFFICIENT ENERGY GMBH, DE
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[54] **PROCEDE PERMETTANT D'OBTENIR UN CARBONATE DE CALCIUM PRECIPITE**
[72] MAURER, MARC, FR
[72] SCHLOTTERBACH, THOMAS, AT
[72] SKRZYPCZAK, MATHIEU, US
[72] PIRKER, ROBERT, AT
[73] OMYA INTERNATIONAL AG, CH
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[54] **SECHOIR A LOQUET DE PORTE A CLAPET D'EXPLOSION**
[72] SCHREIBER, JUSTIN M., US
[72] BLACKOWIAK, STEVE, US
[72] FORD, SHANNON, US
[73] BUHLER AEROGLIDE CORPORATION, US
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[25] EN
[54] **FUSED PYRIMIDINE COMPOUND OR SALT THEREOF**
[54] **COMPOSE PYRIMIDINE FUSIONNE OU SEL DUDIT COMPOSE**
[72] IGUCHI, SATORU, JP
[72] HOSOI, FUMIHITO, JP
[72] SAGARA, TAKESHI, JP
[73] TAIHO PHARMACEUTICAL CO., LTD., JP
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[54] **ELECTRONIC DEVICE INCLUDING PATCH ANTENNA ASSEMBLY HAVING CAPACITIVE FEED POINTS AND SPACED APART CONDUCTIVE SHIELDING VIAS AND RELATED METHODS**
[54] **DISPOSTIF ELECTRONIQUE COMPRENANT UN DISPOSITIF D'ANTENNE A PLAQUE AYANT DES POINTS D'ALIMENTATION CAPACITIVE ET ELEMENTS DE LIAISON PROTECTEURS CONDUCTEURS ESPACES ET METHODES ASSOCIEES**
[72] PARSCHE, FRANCIS E., US
[73] HARRIS CORPORATION, US
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[54] **TREATED TEXTILE MATERIAL AND PROCESS FOR PRODUCING THE SAME**
[54] **MATERIAU TEXTILE TRAITE ET PROCEDE PERMETTANT DE PRODUIRE CE DERNIER**
[72] VALENTA, PETR, US
[72] MONDAL, RAJIB, US
[72] ROGERS, JAMES A., JR., US
[72] MOORE, MICHAEL TODD, US
[72] SPRUELL, JASON M., US
[72] KELLER, KEITH A., US
[72] GERHARDT, WARREN W., US
[72] EMERY, NATHAN B., US
[73] MILLIKEN & COMPANY, US
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[54] **MATIERES COMPOSITES MEDICAMENT/POLYMERE ET PROCEDES DE FABRICATION DE CELLES-CI**
[72] MCCLAIN, JAMES B., US
[72] DEYOUNG, JAMES P., US
[73] MICELL TECHNOLOGIES, INC., US
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[54] **CHEMISE DE CHAMBRE DE COMBUSTION COMPOSITE A MATRICE CERAMIQUE A RESSORT ET ETANCHE**
[72] DERY, BRYAN ROBERT, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2016-02-25
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[25] EN
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[54] **PROCEDE D'UTILISATION D'AGENTS METALLIQUES DE TRAITEMENT DE MODIFICATION DE SURFACE POUR TRAITER DES FORMATIONS SOUTERRAINES**
[72] LANT, KIMBERLY, US
[72] BESTAOUI-SPURR, NAIMA, US
[72] BHADURI, SUMIT, US
[72] CREWS, JAMES B., US
[72] LE, HOANG, US
[72] MONROE, TERRY D., US
[72] QU, QI, US
[73] BAKER HUGHES INCORPORATED, US
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[54] **NECKTIE ACCESSORIES**
[54] **ACCESSOIRE DE CRAVATE**
[72] LAMBERT, CHRISTOPHER, US
[73] LAMBERT, CHRISTOPHER, US
[85] 2016-03-02
[86] 2014-09-03 (PCT/US2014/053851)
[87] (WO2015/034892)
[30] US (61/872,978) 2013-09-03
[30] US (14/295,955) 2014-06-04

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[54] **SYSTEM AND METHOD FOR A BASEBAND NEARFIELD MAGNETIC STRIPE DATA TRANSMITTER**
[54] **SYSTEME ET PROCEDE POUR UN EMETTEUR DE DONNEES DE BANDE MAGNETIQUE DE CHAMP PROCHE EN BANDE DE BASE**
[72] WALLNER, GEORGE, US
[73] SAMSUNG PAY, INC., US
[85] 2016-03-04
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[54] **BLOC-BATTERIE**
[72] KIMURA, KENJI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2924471)
[87] (2924471)
[22] 2016-03-22
[30] JP (2015-059201) 2015-03-23

[11] **2,924,566**
[13] C
[51] **Int.Cl. A61B 1/247 (2006.01) A61C 17/06 (2006.01)**
[25] EN
[54] **MOUTH MIRROR APPARATUS**
[54] **DISPOSITIF DE MIROIR DE BOUCHE**
[72] WANG, SHENG-PENG, TW
[73] WANG, SHENG-PENG, TW
[86] (2924566)
[87] (2924566)
[22] 2016-03-22
[30] TW (104118917) 2015-06-11

[11] **2,927,286**
[13] C
[51] **Int.Cl. B63B 27/30 (2006.01) B63B 35/44 (2006.01) B65G 67/60 (2006.01) E02B 17/00 (2006.01) F25J 1/00 (2006.01)**
[25] EN
[54] **AN LNG PRODUCTION PLANT AND CORRESPONDING METHOD OF CONSTRUCTION**
[54] **UNE USINE DE PRODUCTION DE GPL ET METHODE CORRESPONDANTE DE CONSTRUCTION**
[72] FAKA, SOLOMON ALADJA, AU
[72] BYFIELD, GEOFFREY BRIAN, AU
[72] WARWICK, BENJAMIN DEAN, AU
[73] WOODSIDE ENERGY TECHNOLOGIES PTY LTD, AU
[86] (2927286)
[87] (2927286)
[22] 2016-04-11
[30] AU (2015901975) 2015-05-28

[11] **2,927,417**
[13] C
[51] **Int.Cl. H02M 3/155 (2006.01) H02M 7/06 (2006.01)**
[25] EN
[54] **DIRECT-CURRENT POWER SUPPLY DEVICE, MOTOR DRIVING DEVICE, AIR CONDITIONER, AND REFRIGERATOR**
[54] **DISPOSITIF DE SOURCE D'ENERGIE EN CC, DISPOSITIF D'ENTRAINEMENT DE MOTEUR, CLIMATISEUR ET REFRIGERATEUR**
[72] SHINOMOTO, YOSUKE, JP
[72] HATAKEYAMA, KAZUNORI, JP
[72] KAMIYA, SHOTA, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2016-04-13
[86] 2013-10-18 (PCT/JP2013/078298)
[87] (WO2015/056340)

[11] **2,927,964**
[13] C
[51] **Int.Cl. C08G 79/04 (2006.01) C08G 79/00 (2006.01) C09K 21/12 (2006.01) D06M 15/00 (2006.01) D06M 15/673 (2006.01)**
[25] EN
[54] **FLAME RETARDANT PRECURSORS, POLYMERS PREPARED FROM SUCH PRECURSORS, AND FLAME RESISTANT FABRICS TREATED WITH SUCH POLYMERS**
[54] **PRECURSEURS DE RETARDATEURS DE FLAMME, POLYMERES PREPARES A PARTIR DE TELS PRECURSEURS ET TISSUS IGNIFUGES TRAITES AU MOYEN DESDITS POLYMERES**
[72] GERHARDT, WARREN W., US
[72] SPRUELL, JASON M., US
[72] VALENTA, PETR, US
[72] MONDAL, RAJIB, US
[72] MCBRIDE, DANIEL T., US
[72] KELLER, KEITH A., US
[73] MILLIKEN & COMPANY, US
[85] 2016-04-18
[86] 2014-10-23 (PCT/US2014/061999)
[87] (WO2015/061586)
[30] US (61/895,718) 2013-10-25
[30] US (14/520,660) 2014-10-22

[11] **2,928,085**
[13] C
[51] **Int.Cl. E06B 1/62 (2006.01) E06B 1/60 (2006.01)**
[25] EN
[54] **MULTI-LAYER SEALING SPACER FOR ENTRYWAY COMPONENTS**
[54] **ESPACEUR D'ETANCHEISATION MULTICOUCHE DESTINE AUX COMPOSANTES DE PASSAGE D'ENTREE**
[72] MITCHELL, MIKE, US
[72] HEID, GEORGE, US
[72] JASKIEWICZ, TOMASZ, US
[72] VAN CAMP, BRENT, US
[73] ENDURA PRODUCTS, INC., US
[86] (2928085)
[87] (2928085)
[22] 2016-04-25
[30] US (14/717,202) 2015-05-20

[11] **2,928,129**
[13] C
[51] **Int.Cl. E06B 7/16 (2006.01) E06B 1/70 (2006.01)**
[25] EN
[54] **CORNER PAD AND ENTRYWAY HAVING THE SAME**
[54] **COUSSINET DE COIN ET PASSAGE D'ENTREE COMPORTANT LE COUSSINET DE COIN**
[72] JASKIEWICZ, TOMASZ, US
[72] HEID, GEORGE, US
[73] ENDURA PRODUCTS, INC., US
[86] (2928129)
[87] (2928129)
[22] 2016-04-25
[30] US (14/717,181) 2015-05-20

[11] **2,929,001**
[13] C
[51] **Int.Cl. C07D 493/04 (2006.01) A61K 31/353 (2006.01) A61P 3/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PYRANOCHROMENYL PHENOL DERIVATIVE, AND PHARMACEUTICAL COMPOSITION FOR TREATING METABOLIC SYNDROME OR INFLAMMATORY DISEASE**
[54] **DERIVE DE PYRANOCHROMENYL PHENOL, ET COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT D'UN SYNDROME METABOLIQUE OU D'UNE MALADIE INFLAMMATOIRE**
[72] YOO, SANG KU, KR
[72] CHUNG, JIN WOOK, KR
[72] JO, IN GEUN, KR
[72] IM, JEONG HO, KR
[72] KANG, KU SUK, KR
[72] KIM, JIN YOUNG, KR
[73] GLACEUM, INC., KR
[85] 2016-04-27
[86] 2014-12-23 (PCT/KR2014/012688)
[87] (WO2015/099392)
[30] KR (10-2013-0162909) 2013-12-24
[30] KR (10-2014-0181951) 2014-12-17

[11] **2,930,609**
[13] C
[51] **Int.Cl. F28D 9/02 (2006.01) F28F 3/00 (2006.01)**
[25] EN
[54] **PLATE HEAT EXCHANGER SYSTEM**
[54] **SYSTEME D'ECHANGEUR THERMIQUE A PLAQUE**
[72] BLUMENTHAL, ROLAND, DE
[72] THEILE, TOBIAS, DE
[73] GEBR. KEMPER GMBH + CO. KG METALLWERKE, DE
[86] (2930609)
[87] (2930609)
[22] 2016-05-19
[30] DE (20 2015 003 756.9) 2015-05-22

[11] **2,930,741**
[13] C
[51] **Int.Cl. F04C 14/24 (2006.01) F01M 1/16 (2006.01) F04C 14/22 (2006.01) F04C 14/28 (2006.01) F16N 7/40 (2006.01)**
[25] EN
[54] **VARIABLE DISPLACEMENT VANE PUMP WITH INTEGRATED FAIL SAFE FUNCTION**
[54] **POMPE A AILETTES A DEPLACEMENT VARIABLE DOTEE D'UNE FONCTION ANTI-DEFAILLANCE INTEGREE**
[72] VALKENBERG, RALPH, DE
[73] STACKPOLE INTERNATIONAL ENGINEERED PRODUCTS, LTD., CA
[85] 2016-05-20
[86] 2015-12-31 (PCT/IB2015/060076)
[87] (2930741)
[30] US (14/588,049) 2014-12-31
[30] US (14/983,654) 2015-12-30

[11] **2,932,093**
[13] C
[51] **Int.Cl. E21B 34/10 (2006.01) E21B 33/14 (2006.01) F16K 31/12 (2006.01)**
[25] EN
[54] **REVERSE CEMENTING VALVE**
[54] **VANNE DE CIMENTATION INVERS**
[72] HANSON, ANDREW JAMES, CA
[72] MARCIN, JOZEPH ROBERT, CA
[72] BIEDERMANN, RANDAL BRENT, CA
[72] WARD, DAMIAN LEONARD, CA
[72] ANDERSEN, CLAYTON R., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2932093)
[87] (2932093)
[22] 2012-04-25
[62] 2,775,330
[30] US (13/439,207) 2012-04-04

[11] **2,934,111**
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **METHOD FOR INTRODUCING AN INDUCTOR LOOP INTO A ROCK FORMATION**
[54] **PROCEDE D'INTRODUCTION D'UNE BOUCLE D'INDUCTEUR DANS UNE FORMATION ROCHEUSE**
[72] BLENDINGER, STEFAN, DE
[72] DANOV, VLADIMIR, DE
[72] DIEHL, DIRK, DE
[72] KOCH, ANDREAS, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2016-06-16
[86] 2014-09-02 (PCT/EP2014/068613)
[87] (WO2015/090646)
[30] EP (13198019.5) 2013-12-18

[11] **2,935,648**
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[51] **Int.Cl. B22D 1/00 (2006.01) F27D 27/00 (2010.01) B22D 11/04 (2006.01) B22D 11/115 (2006.01)**
[25] EN
[54] **PERMANENT MAGNET-TYPE MOLTEN METAL STIRRING DEVICE AND MELTING FURNACE AND CONTINUOUS CASTING APPARATUS INCLUDING THE SAME**
[54] **DISPOSITIF DE MELANGE DE METAL FONDU DE TYPE AIMANT PERMANENT ET FOURNAISE DE FONTE ET APPAREIL DE MOULAGE EN CONTINU L'INTEGRANT**
[72] TAKAHASHI, KENZO, JP
[73] TAKAHASHI, KENZO, JP
[85] 2016-06-30
[86] 2015-01-23 (PCT/JP2015/051910)
[87] (WO2015/111727)
[30] JP (2014-011361) 2014-01-24
[30] JP (2014-017531) 2014-01-31

[11] **2,936,720**
[13] C
[51] **Int.Cl. E06B 9/307 (2006.01) E06B 9/32 (2006.01)**
[25] EN
[54] **SEPARABLE TILTING DEVICE**
[54] **DISPOSITIF D'INCLINAISON SEPARABLE**
[72] NIEN, CHAO-HUNG, TW
[72] CHANG, CHIH-YAO, TW
[72] YUAN, WEI-XUE, TW
[73] NIEN MADE ENTERPRISE CO., LTD., CN
[86] (2936720)
[87] (2936720)
[22] 2016-07-21
[30] CN (201520544088.3) 2015-07-24

[11] **2,937,004**
[13] C
[51] **Int.Cl. B03B 9/02 (2006.01)**
[25] EN
[54] **BITUMEN DROPLETS COALESCENCE**
[54] **COALESCENCE DE GOUTTELETTES DE BITUME**
[72] LONG, JUN, CA
[72] HOSKINS, SHANE, CA
[73] SYNCRUDE CANADA LTD., CA
[86] (2937004)
[87] (2937004)
[22] 2016-07-20
[30] US (62/196,185) 2015-07-23

[11] **2,937,174**
[13] C
[51] **Int.Cl. E04C 5/06 (2006.01) E01C 5/08 (2006.01) E04C 1/00 (2006.01) E04C 2/00 (2006.01) E04G 21/12 (2006.01)**
[25] EN
[54] **A MULTI-COMPONENT BUILDING MEMBER AND A PROCESS FOR ASSEMBLING THE MULTI-COMPONENT BUILDING MEMBER**
[54] **ELEMENT DE CONSTRUCTION A COMPOSANTS MULTIPLES ET SON PROCEDE D'ASSEMBLAGE**
[72] MOLOKHIN, ILYA VALERIEVICH, RU
[72] KOZLOVA, OLGA MIKHAILOVNA, RU
[72] BEKRENEVA, VERA ALEXANDROVNA, RU
[72] BEKRENEV, ROMAN ALEXANDROVICH, RU
[72] MOLOKHINA, LARISA ARKADIEVNA, RU
[73] KOMRAKOV, EVGENY VYACHESLAVOVICH, RU
[73] MOLOKHINA, LARISA ARKADIEVNA, RU
[73] BEKRENEV, ALEXANDR GRIGORIEVICH, RU
[85] 2016-07-15
[86] 2014-05-15 (PCT/RU2014/000347)
[87] (WO2015/174884)

[11] **2,937,183**
[13] C
[51] **Int.Cl. E06B 9/36 (2006.01) E06B 9/322 (2006.01)**
[25] EN
[54] **LIGHT SHIELDING STRUCTURE FOR VERTICAL BLIND**
[54] **STRUCTURE DE PROTECTION CONTRE LA LUMIERE DESTINEE A UN STORE VERTICAL**
[72] WEN, YU-CHE, TW
[73] NIEN MADE ENTERPRISE CO., LTD., TW
[86] (2937183)
[87] (2937183)
[22] 2016-07-27
[30] CN (201520881217.8) 2015-11-06

[11] **2,937,999**
[13] C
[51] **Int.Cl. B60W 20/16 (2016.01) B60K 6/445 (2007.10) B60K 6/00 (2007.10) B60K 13/04 (2006.01) B60W 10/06 (2006.01) B60W 10/08 (2006.01) B60W 10/26 (2006.01) B60W 20/00 (2016.01)**
[25] EN
[54] **HYBRID VEHICLE AND CONTROL METHOD FOR HYBRID VEHICLE**
[54] **VEHICULE HYBRIDE ET PROCEDE DE COMMANDE POUR VEHICULE HYBRIDE**
[72] NAWATA, HIDEKAZU, JP
[72] ABE, TSUKASA, JP
[72] INOUE, TOSHIO, JP
[72] FUKUI, KEITA, JP
[72] HONDA, TOMOAKI, JP
[72] NIWA, YUTA, JP
[72] OSAWA, TAICHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[85] 2016-07-26
[86] 2015-01-26 (PCT/IB2015/000071)
[87] (WO2015/114441)
[30] JP (2014-013226) 2014-01-28

[11] **2,941,285**
[13] C
[51] **Int.Cl. B60K 1/04 (2006.01) B60K 15/067 (2006.01) B60L 11/18 (2006.01)**
[25] EN
[54] **FUEL CELL VEHICLE**
[54] **VEHICULE A PILE A COMBUSTIBLE**
[72] OHASHI, YASUHIKO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2941285)
[87] (2941285)
[22] 2016-09-08
[30] JP (2015-202195) 2015-10-13

[11] **2,942,843**
[13] C
[51] **Int.Cl. F16B 5/02 (2006.01) F16B 13/04 (2006.01) F16B 39/28 (2006.01)**
[25] EN
[54] **RELEASABLE FASTENER**
[54] **ELEMENT DE FIXATION AMOVIBLE**
[72] DAVIES, BRIAN, AU
[73] BRIAN INVESTMENTS PTY LTD, AU
[85] 2016-09-15
[86] 2016-02-25 (PCT/AU2016/000059)
[87] (WO2016/134408)
[30] AU (2015900669) 2015-02-25
[30] AU (2015902927) 2015-07-23

[11] **2,942,885**
[13] C
[51] **Int.Cl. G10L 19/02 (2013.01) G10L 19/00 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DECODING AN ENCODED AUDIO SIGNAL USING SELECTIVE TEMPORAL SHAPING**
[54] **SYSTEME ET METHODE DE DECODAGE DE SIGNAL AUDIO CODE AU MOYEN DE FORME TEMPORELLE SELECTIVE**
[72] KIKUIRI, KEI, JP
[72] YAMAGUCHI, ATSUSHI, JP
[73] NTT DOCOMO, INC., JP
[85] 2016-09-15
[86] 2015-03-20 (PCT/JP2015/058608)
[87] (WO2015/146860)
[30] JP (2014-060650) 2014-03-24

[11] **2,943,203**
[13] C
[51] **Int.Cl. B67D 1/08 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSING DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION DE BOISSONS**
[72] DEO, INDRANI, US
[72] JERSEY, STEVEN, US
[73] PEPSICO, INC., US
[86] (2943203)
[87] (2943203)
[22] 2010-11-24
[62] 2,781,749
[30] US (12/625,226) 2009-11-24
[30] US (12/703,003) 2010-02-09

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[13] C
[51] **Int.Cl. C23C 16/54 (2006.01) C23C 14/56 (2006.01)**
[25] EN
[54] **VACUUM PROCESSING DEVICE**
[54] **DISPOSITIF DE TRAITEMENT SOUS VIDE**
[72] NAKADA, YUKIHIRO, JP
[72] WATANABE, KENICHIRO, JP
[72] TANAKA, YASUTOMO, JP
[72] KITAGAWA, HIDEKI, JP
[72] SODENO, KENICHI, JP
[73] IHI CORPORATION, JP
[73] KAJI SEISAKUSHO CO., LTD, JP
[85] 2016-09-28
[86] 2015-04-09 (PCT/JP2015/061133)
[87] (WO2015/156361)
[30] JP (2014-081971) 2014-04-11

[11] **2,948,228**
[13] C
[51] **Int.Cl. E06B 3/70 (2006.01)**
[25] EN
[54] **A CLOSURE MEMBER AND THE METHOD OF MAKING THE SAME**
[54] **UN DISPOSITIF DE FERMETURE ET UN PROCEDE DE FABRICATION ASSOCIE**
[72] WANG, KUEI-YUNG, TW
[73] NAN YA PLASTICS CORPORATION, TW
[86] (2948228)
[87] (2948228)
[22] 2016-11-10
[30] US (62/280,875) 2016-01-20
[30] US (15/186,007) 2016-06-17

[11] **2,948,541**
[13] C
[51] **Int.Cl. G21G 1/10 (2006.01) G21K 5/08 (2006.01) H05H 6/00 (2006.01) C01G 99/00 (2010.01) C01G 1/00 (2006.01) C01G 39/00 (2006.01)**
[25] EN
[54] **PROCESSES, SYSTEMS, AND APPARATUS FOR CYCLOTRON PRODUCTION OF TECHNETIUM-99M**
[54] **PROCEDES, SYSTEMES, ET APPAREIL DE PRODUCTION CYCLOTRONIQUE DE TECHNETIUM-99M**
[72] SCHAFFER, PAUL, CA
[72] BENARD, FRANCOIS, CA
[72] BUCKLEY, KENNETH R., CA
[72] HANEMAAYER, VICTOIRE, CA
[72] MANUELA, CORNELIA, CA
[72] KLUG, JULIUS ALEXANDER, CA
[72] KOVACS, MICHAEL S., CA
[72] MORLEY, THOMAS J., US
[72] RUTH, THOMAS J., CA
[72] VALLIANT, JOHN, CA
[72] ZEISLER, STEFAN K., CA
[72] DODD, MAURICE G., CA
[73] TRIUMF, CA
[86] (2948541)
[87] (2948541)
[22] 2013-04-25
[62] 2,915,775
[30] US (61/639,408) 2012-04-27
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[13] C
[51] **Int.Cl. C10L 3/00 (2006.01) B01D 3/00 (2006.01) B01D 53/14 (2006.01) B01D 53/44 (2006.01) C10G 7/00 (2006.01) F25J 3/00 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR PROCESSING A HYDROCARBON GAS STREAM**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT D'UN FLUX DE GAZ D'HYDROCARBURE**
[72] HORNE, STEPHEN CRAIG, CA
[73] ENCANA CORPORATION, CA
[86] (2949012)
[87] (2949012)
[22] 2016-11-16
[30] US (62/286,132) 2016-01-22

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[13] C
[51] **Int.Cl. E02B 17/00 (2006.01) E02B 17/02 (2006.01) E02B 17/04 (2006.01) E02B 17/08 (2006.01)**
[25] EN
[54] **ACCESS SUPPORT FOR OFFSHORE INSTALLATIONS**
[54] **SUPPORT D'ACCES POUR DES INSTALLATIONS EN MER**
[72] HAIGH, PETER, GB
[73] RENEWABLE HYDROCARBONS LTD, GB
[85] 2016-12-08
[86] 2014-06-09 (PCT/GB2014/051765)
[87] (WO2014/199130)
[30] GB (1310272.8) 2013-06-10

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[13] C
[51] **Int.Cl. G01J 3/42 (2006.01) G01M 3/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DETECTING A GAS USING AN UNMANNED AERIAL VEHICLE**
[54] **APPAREIL ET PROCEDE DE DETECTION DE GAZ UTILISANT UN VEHICULE AERIEN SANS PILOTE**
[72] MYSHAK, STEPHAN, CA
[72] BROWN, OWEN, CA
[73] ISIS GEOMATICS INC., CA
[85] 2017-02-22
[86] 2015-08-24 (PCT/CA2015/050810)
[87] (WO2016/029305)
[30] US (62/041,215) 2014-08-25

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[13] C
[51] **Int.Cl. C10B 31/00 (2006.01)**
[25] EN
[54] **COKE OVEN CHARGING SYSTEM**
[54] **SYSTEME DE CHARGEMENT DE FOUR A COKE**
[72] QUANCI, JOHN FRANCIS, US
[72] CHOI, CHUN WAI, US
[72] SPARLING, DANNY EDWARD, US
[72] MOUNTS, DEXTER JUNIOR, US
[72] BALL, MARK ANTHONY, US
[73] SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC, US
[85] 2017-02-24
[86] 2015-08-28 (PCT/US2015/047511)
[87] (WO2016/033511)
[30] US (62/043,359) 2014-08-28

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[13] C
[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/02 (2006.01)**
[25] EN
[54] **TIGHTENING SYSTEM FOR ORTHOTICS**
[54] **SYSTEME DE SERRAGE DESTINE A DES ORTHESES**
[72] BURKE, STEVEN, US
[72] HORVATH, JOZSEF, US
[72] ZIMMER, ERIK, US
[73] ASPEN MEDICAL PARTNERS, LLC, US
[85] 2017-02-27
[86] 2016-04-19 (PCT/US2016/028252)
[87] (WO2016/204859)
[30] US (62/182,337) 2015-06-19

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[13] C
[51] **Int.Cl. B32B 17/06 (2006.01) C03C 3/06 (2006.01) C03C 3/076 (2006.01) C23D 5/00 (2006.01) C25D 11/24 (2006.01)**
[25] EN
[54] **SILICATE COATINGS**
[54] **REVETEMENTS A BASE DE SILICATE**
[72] JENNINGS, HAMLIN, US
[72] SZCZESNIAK, MICHAL, GB
[73] MCT HOLDINGS LTD., VG
[85] 2017-03-03
[86] 2015-03-13 (PCT/US2015/020325)
[87] (WO2016/039809)
[30] US (62/047,280) 2014-09-08

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[13] C
[51] **Int.Cl. A47J 45/07 (2006.01) A45F 3/16 (2006.01) A47J 36/06 (2006.01)**
[25] EN
[54] **OUTDOOR COOKWARE LID COMPRISING SUCTION HANDLE**
[54] **COUVERCLE DE RECIPIENT DE CUISSON EN EXTERIEUR COMPRENANT UNE POIGNEE A VENTOUSE**
[72] OH, KUEN SIK, KR
[73] POKETDREAM INC., KR
[85] 2017-04-07
[86] 2015-10-16 (PCT/KR2015/010940)
[87] (WO2016/068530)
[30] KR (10-2014-0146519) 2014-10-27

[11] **2,964,567**
[13] C
[51] **Int.Cl. B60K 20/02 (2006.01) F16H 59/10 (2006.01)**
[25] EN
[54] **POSITIONABLE SHIFTER SYSTEM**
[54] **SYSTEME DE SELECTEUR DE VITESSES POUVANT ETRE POSITIONNE**
[72] DOSENBACH, ERIC SAJED, US
[72] WEGNER, CHRISTOPHER C., US
[72] WOJDYLA, ADAM, US
[72] BARBER, TIMOTHY S., US
[73] THE BRAUN CORPORATION, US
[85] 2017-04-12
[86] 2015-10-27 (PCT/US2015/057461)
[87] (WO2016/069526)
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[54] **DISPOSITIF DE SUPPORT ET PROCEDE DE SUPPORT**
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[73] RAYTHEON COMPANY, US
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[73] TX MEDIC AB, SE
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[73] NITE IZE, INC., US
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[54] **CAPTURE DE COULOIR**
[72] MILLIN, ANDREW, AU
[72] ROGERS, RUSSELL ALAN, AU
[72] LAPSTUN, PAUL, AU
[73] NEARMAP AUSTRALIA PTY LTD, AU
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[54] **DISPOSITIF D'EVISCERATION ET PROCEDE D'EVISCERATION DE POISSONS**
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[54] **RECIPIENT AYANT UN ELEMENT DE VERROUILLAGE PIVOTANT**
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[72] HASE, GARY, US
[73] SONOCO DEVELOPMENT, INC., US
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[72] KAESELER, WERNER, DE
[73] COPPERHEAD INDUSTRIAL INC., CA
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[54] **SYSTEME ET METHODE DESTINES A UN CATHETER BALLON A OCCLUSION PROFILE**
[72] FRANKLIN, CURTIS J., US
[72] SPENCER, DAVID, US
[72] KRUMMENACHER, TODD J., US
[73] PRYTIME MEDICAL DEVICES, INC., US
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[54] **ZIPLINE TROLLEY RELEASE AND SPEED LIMITER**
[54] **LIBERATION DE CHARIOT DE TYROLIENNE ET LIMITEUR DE VITESSE**
[72] KOSTAMO, STEVEN, CA
[73] KOSTAM DESIGNS INC., CA
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[54] **DISPOSITIF DE MISE A FEU**
[72] PARKER, JOSHUA J., US
[73] CGS GROUP, LLC, US
[73] PARKER, JOSHUA J., US
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[54] **AMELIORATION, AJOUT OU EXTENSION DE CHEVEUX EN PLUSIEURS COUCHES**
[72] ROMM, SHERRI, US
[71] ROMM, SHERRI, US
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[54] **MULTIPLICATEUR AREL 2**
[72] INCONNU, ZZ
[71] 2750 - 6666 Q INC, CA
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[72] NASH, BRADY, CA
[72] LIU, JUN, CA
[72] FEFER, MICHAEL, CA
[71] SUNCOR ENERGY INC., CA
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[54] **MAUNUFACTURED GAS WELLPAD EXPANSION MODULE**
[54] **MODULE D'EXPANSION DE PLATEFORME D'EXPLOITATION DE GAZ FABRIQUE**
[72] LAU, WAYNE WK, CA
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[54] **UN GENRE DE POT EN TERRE DESTINE A LA CUISSON D'ALIMENT PAR CHAUFFAGE ET VAPEUR DIRECTE**
[72] SHENG, XIAOQING, CA
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[54] **A KIND OF HYBRID SOLID-STATE RELAY DEVICE**
[54] **UN GENRE DE DISPOSITIF DE RELAIS HYBRIDE A SEMICONDUCTEURS**
[72] YIN, CHENZHONG, CA
[71] YIN, CHENZHONG, CA
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[54] **TREILLIS INTUMESCENT**
[72] WALL, WESLEY, CA
[72] WALL, ADAM, CA
[72] ADAB, SHEKAIB, CA
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[54] **AIR DEFLECTOR FOR FLOOR MOUNTED AIR REGISTERS**
[54] **DEFLECTEUR D'AIR DESTINE A DES REGISTRES D'AIR INSTALLES AU PLANCHER**
[72] KAMBEITZ, DARCEY, CA
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[54] **PRESSE A CONTENANT MULTIETAPE UTILISABLE**
[72] KELLAR, MICHEAL D., CA
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[54] **UN GENRE DE RELAIS A SEMICONDUCTEURS A INDICATEUR LUMINEUX DOUBLE ENTREE/SORTIE**
[72] YIN, CHENZHONG, CA
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[54] **APPAREIL DE DETECTION A DOUBLE USAGE DESTINE A DES ETIQUETTES SERVANT A PREVENIR LE VOL A L'ETALAGE**
[72] WHEELER, NOLAN, CA
[72] RODRIGUEZ, JOSHUA, CA
[72] GEISLER, VINCE, CA
[72] MARTIN, CHRIS, CA
[72] POLIANSKI, VLADIMIR, CA
[71] SYNQ ACCESS + SECURITY TECHNOLOGY LTD., CA
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[54] **PANTALONS A L'EPREUVE DES FUITES**
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[54] **APPAREILLAGE DE BOUCHON DE RACCORDEMENT DE PUITS**
[72] CRANE, LEE GORDON, US
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[54] **DISPOSITIF D'INSTALLATION DE TRAPPE DE COLLECTEUR D'EGOUT PLUVIAL**
[72] ALEXANDER, JAMES R., CA
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[71] MOTEUR AREL LIMITEE, CA
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[54] **MARQUAGES LUMINESCENTS**
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[71] PATENT APPLIED TECHNOLOGY, CA
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[54] **INSTALLATION SERVANT A TENIR DES ELEMENTS DE COMBUSTIBLE NUCLEAIRE**
[72] LEEDER, SHAWN, CA
[72] AUDETTE, SHANE, CA
[71] ATOMIC ENERGY OF CANADA LIMITED / ENERGIE ATOMIQUE DU CANADA LIMITEE, CA
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[72] LI, JIE, CN
[72] TANG, LONGXIN, CN
[71] HANGZHOU POWER YOUNG TECHNOLOGY CO. LTD, CN
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[72] KING, BRADLEY W., CA
[71] KING, BRADLEY W., CA
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[54] **SUPER BOX INDICATOR**
[54] **INDICATEUR DE SUPER BOITE**
[72] UNKNOWN, ZZ
[71] BRINDLE, JOSEPH, CA
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[72] LIU, HAIYAN, CN
[72] BIAN, XIUYIN, CN
[71] HOLLANDER SLEEP PRODUCTS, LLC, US
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[54] **UN APPAREIL AMELIORE ET UNE METHODE DE PERFECTIONNEMENT DE LA PENTE FINALE D'UN TERRAIN SPECIFIQUE**
[72] HERAULT, RAYMOND E., CA
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[72] MAJEED, MUHAMMED, US
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[54] **LIQUID SEALING COMPOUND AND USE THEREOF IN ENDODONTIC PROCEDURES**
[54] **COMPOSE D'ETANCHEISATION LIQUIDE ET UTILISATION DUDIT COMPOSE DANS LES INTERVENTIONS ENDODONTIQUES**
[72] YARED, GHASSAN, CA
[72] DE-DEUS, GUSTAVO, BR
[71] YARED, GHASSAN, CA
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[54] **PRODUCT RECOMMENDATIONS BASED ON ITEMS FREQUENTLY BOUGHT TOGETHER**
[54] **RECOMMANDATIONS DE PRODUIT FONDEES SUR DES ARTICLES SOUVENT ACHETES ENSEMBLE**
[72] AGARWAL, SHUBHAM, US
[72] QU, HUIMING, US
[72] COOMBS, SHAWN, US
[72] AFSHAR, ESTELLE, US
[72] DEVNATH, RINI, US
[72] GUNDETI, RAMESH, US
[72] VEMANA, PRAT, US
[72] HOFMANN, KEVIN, US
[71] HOME DEPOT INTERNATIONAL, INC., US
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[54] **ASSEMBLAGE DE TABLETTE CONFIGURABLE**
[72] MROUE, JOSEPH, CA
[71] 8831386 CANADA INC., CA
[22] 2016-10-03
[41] 2018-02-10
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[54] **VENTILATED CONTAINER FOR PRODUCE**
[54] **CONTENANT AERE DESTINE A DES ALIMENTS FRAIS**
[72] PICKARD, KEITH, CA
[72] ERWAY, CHARLES, US
[71] ORORA PACKAGING SOLUTIONS, US
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[54] **OVERHEAD DOOR AND FRAME ASSEMBLY**
[54] **ENSEMBLE DE PORTE BASCULANTE ET CADRE**
[72] SCHWEISS, MICHAEL L., US
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[30] US (15/232,447) 2016-08-09

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[51] **Int.Cl. C25B 9/06 (2006.01) F02M 26/00 (2016.01) C25B 1/04 (2006.01) F01N 3/00 (2006.01) F01N 9/00 (2006.01) F02M 25/12 (2006.01)**
[25] EN
[54] **WATER CAPTURE SYSTEM, ELECTROLYSIS CELL AND INTERNAL COMBUSTION ENGINE KIT**
[54] **SYSTEME DE CAPTAGE D'EAU, PILE D'ELECTROLYSE ET TROUSSE DE MOTEUR A COMBUSTION INTERNE**
[72] ROSS, WILLIAM (BILL) JAMES, CA
[71] EMISSION TECHNOLOGIES INTERNATIONAL LIMITED, CA
[22] 2016-10-25
[41] 2018-02-05
[30] US (15/229,723) 2016-08-05

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[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/30 (2016.01)**
[25] EN
[54] **OPERATING ROOM SAFETY ZONE**
[54] **ZONE DE SECURITE DE SALLE D'OPERATION**
[72] CHEN, SEAN JY-SHYANG, CA
[72] SRIMOHANARAJAH, KIRUSHA, CA
[72] RICHMOND, JOSHUA LEE, CA
[72] DYER, KELLY NOEL, CA
[72] SELA, GAL, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[22] 2016-11-14
[41] 2018-02-04
[30] US (15/228,853) 2016-08-04

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[51] **Int.Cl. H02P 25/026 (2016.01) H02P 1/46 (2006.01) H02P 21/00 (2016.01)**
[25] EN
[54] **LOAD ALIGNMENT ASSISTANCE DURING STARTUP OF SYNCHRONOUS GRID**
[54] **ASSISTANCE D'ALIGNEMENT DE CHARGE PENDANT LE DEMARRAGE D'UN RESEAU SYNCHRONE**
[72] BLACKWELDER, MARK JON, US
[72] RANCURET, PAUL M., US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2016-12-13
[41] 2018-02-04
[30] US (62/370943) 2016-08-04
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[51] **Int.Cl. H02P 25/026 (2016.01) H02P 1/46 (2006.01) H02P 21/00 (2016.01)**
[25] EN
[54] **PRE-ALIGNMENT OF SYNCHRONOUS LOADS PRIOR TO STARTING GRID**
[54] **PREALIGNEMENT DE CHARGES SYNCHRONES AVANT LE DEMARRAGE DE RESEAU**
[72] BLACKWELDER, MARK JON, US
[72] RANCURET, PAUL M., US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2016-12-13
[41] 2018-02-04
[30] US (62/370948) 2016-08-04
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[51] **Int.Cl. H02J 3/34 (2006.01) H02P 25/022 (2016.01) H02P 21/00 (2016.01)**
[25] EN
[54] **ACTIVE DAMPING OF SYNCHRONOUS GRID OSCILLATIONS USING PARTIAL POWER CONVERTER**
[54] **ATTENUATION ACTIVE D'OSCILLATIONS DE RESEAU SYNCHRONE AU MOYEN D'UN CONVERTISSEUR DE SECTEUR PARTIEL**
[72] BLACKWELDER, MARK JON, US
[72] RANCURET, PAUL M, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2016-12-13
[41] 2018-02-04
[30] US (62/370930) 2016-08-04
[30] US (15/366524) 2016-12-01

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[13] A1
[51] **Int.Cl. A42B 3/14 (2006.01) A42B 3/04 (2006.01) A61F 9/06 (2006.01)**
[25] EN
[54] **HEADBAND ARRANGEMENT AND WELDING HELMET EQUIPPED WITH THE SAME**
[54] **ARRANGEMENT DE BANDEAU ET CASQUE DE SOUDURE EQUIPE DUDIT ARRANGEMENT DE BANDEAU**
[72] WU, ZIQIAN, CN
[71] TECMEN ELECTRONICS CO., LTD., CN
[22] 2017-01-06
[41] 2018-02-10
[30] CN (201620864542.8) 2016-08-10
[30] CN (201621377700.3) 2016-12-15

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[51] **Int.Cl. A61H 35/00 (2006.01) A47K 3/022 (2006.01) F21V 3/00 (2015.01) F21V 23/00 (2015.01) F21V 33/00 (2006.01)**
[25] EN
[54] **FOOT SPA WITH ILLUMINATION**
[54] **BAIN DE PIED ECLAIRE**
[72] TRAN, MIHN S., CA
[72] ALEXANDER, CHRIS, CA
[71] TRAN, MIHN S., CA
[71] ALEXANDER, CHRIS, CA
[22] 2017-02-03
[41] 2018-02-09
[30] US (62/372,361) 2016-08-09
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[51] **Int.Cl. A61K 31/704 (2006.01) A61P 1/16 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTING OR TREATING LIVER CANCER CONTAINING GINSENOSIDE F2**
[54] **COMPOSITION DESTINEE A PREVENIR OU TRAITER UN CANCER DU FOIE RENFERMANT DU GINSENOSIDE F2**
[72] JEONG, WON IL, KR
[72] KIM, MYUNG HO, KR
[72] JEONG, JONG MIN, KR
[72] KIM, SO YEON, KR
[72] KIM, SUN CHANG, KR
[71] INTELLIGENT SYNTHETIC BIOLOGY CENTER, KR
[22] 2017-03-15
[41] 2018-02-05
[30] KR (10-2016-0099978) 2016-08-05

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[51] **Int.Cl. F24C 15/32 (2006.01)**
[25] EN
[54] **HOME COOKING APPLIANCE HAVING A METERED EXHAUST CHANNEL**
[54] **APPAREIL ELECTROMENAGER DE CUISSON COMPORTANT UN CANAL D'EVACUATION A COMPTEUR**
[72] BRISCOE, RAY, US
[72] COLLINS, GAYLE, US
[72] HOYLE, CHRIS, US
[72] KORNEGAY, BRANDON, US
[71] BSH HOME APPLIANCES CORPORATION, US
[71] BSH HAUSGERATE GMBH, DE
[22] 2017-03-27
[41] 2018-02-05
[30] US (15/229,154) 2016-08-05

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[51] **Int.Cl. G01M 15/14 (2006.01) F01D 21/00 (2006.01) F02C 7/00 (2006.01) G01M 7/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DETECTING A THRESHOLD VIBRATION CONDITION IN A GAS TURBINE ENGINE**
[54] **APPAREIL ET METHODE DE DETECTION D'UN ETAT DE VIBRATION SEUIL DANS UNE TURBINE A GAZ**
[72] PATRY, BENOIT, CA
[72] BOSSE, ALEXANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-04-24
[41] 2018-02-05
[30] US (15/229,516) 2016-08-05

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[51] **Int.Cl. G09F 7/22 (2006.01) B62B 3/00 (2006.01) B64D 11/04 (2006.01)**
[25] EN
[54] **CART STOWAGE PLACARD ENABLING PLATE**
[54] **PLAQUE PERMETTANT DE RANGER UN CHARIOT DANS UN PLACARD**
[72] SINGLETON, CHRISTOPHER B., US
[72] LEE, JOSHUA Y., US
[72] GARCIA, EMMANUEL A., US
[71] THE BOEING COMPANY, US
[22] 2017-05-02
[41] 2018-02-10
[30] US (15/233,606) 2016-08-10

[21] **2,968,438**
[13] A1
[51] **Int.Cl. B65G 65/30 (2006.01) B60P 1/60 (2006.01) B60P 3/22 (2006.01)**
[25] EN
[54] **SYSTEM FOR LOADING DRY BULK MATERIALS INTO TANK TRAILER**
[54] **SYSTEME DE CHARGEMENT DE MATERIAUX SECS EN VRAC DANS UNE REMORQUE-RESERVOIR**
[72] GOODIER, PETER CHARLES, US
[72] MILLER, DRAKE DUANE, US
[71] PARAGON TANK TRUCK EQUIPMENT, LLC, US
[22] 2017-05-25
[41] 2018-02-10
[30] US (62/373,178) 2016-08-10
[30] US (15/265,128) 2016-09-14

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[51] **Int.Cl. G01V 1/09 (2006.01) G01V 1/047 (2006.01) G01V 1/133 (2006.01)**
[25] EN
[54] **SEISMIC SOURCE INSTALLATION/ANCHORING SYSTEM AND METHOD**
[54] **SYSTEME D'INSTALLATION ET ANCRAGE DE SOURCE SISMIQUE ET METHODE**
[72] ANDERSEN, JAMES K., US
[71] GREENPOWERUSA INC., US
[22] 2017-06-06
[41] 2018-02-05
[30] US (62/371,639) 2016-08-05
[30] US (15/594,469) 2017-05-12

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[51] **Int.Cl. F02C 6/08 (2006.01) B64D 13/00 (2006.01) B64D 33/00 (2006.01) F02C 9/18 (2006.01)**
[25] EN
[54] **BYPASS DUCT LOUVER FOR NOISE MITIGATION**
[54] **REGISTRE A LATTES DE CONDUITE DE DEVIATION DESTINE A ATTENUER LE BRUIT**
[72] JOSHI, NINAD, CA
[72] MESLIOUI, SID-ALI, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-06-06
[41] 2018-02-08
[30] US (62/371,964) 2016-08-08

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[51] **Int.Cl. F01D 25/02 (2006.01) F02C 7/047 (2006.01)**
[25] EN
[54] **ICE PROTECTION SYSTEM FOR GAS TURBINE ENGINES**
[54] **SYSTEME DE PROTECTION ANTIGIVRE DESTINE A DES TURBINES A GAZ**
[72] SCHENK, PETER M., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-06-13
[41] 2018-02-10
[30] US (15/233402) 2016-08-10

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[51] **Int.Cl. E04B 1/38 (2006.01) E04B 1/94 (2006.01) E04C 5/18 (2006.01)**
[25] EN
[54] **HEAVY DUTY HANGER FOR FIRE SEPARATION WALL**
[54] **SUPPORT ROBUSTE DESTINE A UN MUR DE SEPARATION INCENDIE**
[72] BREKKE, STEVEN, US
[71] MITEK HOLDINGS, INC., US
[22] 2017-06-14
[41] 2018-02-08
[30] US (15/230926) 2016-08-08

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[13] A1
[51] **Int.Cl. B65B 25/02 (2006.01) B65B 25/04 (2006.01) B65B 65/08 (2006.01)**
[25] EN
[54] **PRODUCE PACK ARRANGEMENT APPARATUS**
[54] **APPAREILLAGE D'ARRANGEMENT D'EMBALLAGE DE PRODUIT**
[72] GOMEZ, DIOGENES M, CA
[71] GOMEZ, DIOGENES M, CA
[22] 2017-06-27
[41] 2018-02-09
[30] US (15/232,314) 2016-08-09

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[13] A1
[51] **Int.Cl. B29C 73/34 (2006.01) B64F 5/10 (2017.01) B29C 65/22 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR MAINTAINING TEMPERATURE DIFFERENTIAL IN MATERIALS USING THERMOELECTRIC DEVICES DURING HOT BONDED REPAIR**
[54] **METHODES ET APPAREILLAGES DE MAINTIEN DE DIFFERENTIEL DE TEMPERATURE DANS LES MATERIAUX AU MOYEN DE DISPOSITIFS THERMOELECTRIQUES PENDANT UNE REPARATION PAR COLLAGE CHAUD**
[72] OAKES, GARY D., US
[71] THE BOEING COMPANY, US
[22] 2017-06-22
[41] 2018-02-09
[30] US (15/232,200) 2016-08-09

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[51] **Int.Cl. G09B 9/00 (2006.01) A63F 13/46 (2014.01) A63F 13/80 (2014.01)**
[25] EN
[54] **SOCIAL ENGINEERING THROUGH GAMIFICATION**
[54] **INGENIERIE SOCIALE PAR L'INTEGRATION DE JEU**
[72] KLUVER, JARED, US
[72] KIEFFER, BRADLEY JOSEPH, US
[71] WAL-MART STORES, INC., US
[22] 2017-06-29
[41] 2018-02-05
[30] US (62/371,521) 2016-08-05

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **AIRFLOW SYSTEM WITH FAN SPACER FOR AGRICULTURAL EQUIPMENT**
[54] **SYSTEME D'ECOULEMENT D'AIR DOTE D'UN ESPACEUR DE VENTILATEUR DESTINE A UN EQUIPEMENT AGRICOLE**
[72] HUI, KA PO CATHERINE, CA
[72] ROBERGE, MARTIN J., CA
[72] THOMPSON, DENNIS GEORGE, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2017-06-29
[41] 2018-02-05
[30] US (62/371,564) 2016-08-05

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[13] A1
[51] **Int.Cl. B64D 45/00 (2006.01) B64F 5/60 (2017.01) B64D 15/12 (2006.01)**
[25] EN
[54] **EARLY DETECTION OF FAULTY DEICING HEATERS ON WIDE-BODY AIRCRAFT**
[54] **DETECTION PRECOCE D'APPAREILS CHAUFFANTS DE DEGIVRAGE DEFECTUEUX SUR UN AERONEF GRAND FORMAT**
[72] SHI, FONG, US
[71] THE BOEING COMPANY, US
[22] 2017-06-30
[41] 2018-02-08
[30] US (15/231,568) 2016-08-08

[21] 2,972,722
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[51] **Int.Cl. B64D 33/02 (2006.01) B64C 27/28 (2006.01) B64D 29/00 (2006.01) F02C 7/05 (2006.01)**
[25] EN
[54] **INLET DUCT SELECTOR FOR TILTROTOR BARRIER FILTER**
[54] **SELECTEUR DE CONDUITE D'ENTREE DESTINE A UN FILTRE BARRIERE DE ROTOR BASCULANT**
[72] MILLER, DAVID L., US
[72] ROSS, BRENT CHADWICK, US
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2017-07-06
[41] 2018-02-09
[30] US (15/232,465) 2016-08-09

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[13] A1
[51] **Int.Cl. B65D 83/28 (2006.01) B65D 83/16 (2006.01)**
[25] EN
[54] **AEROSOL DISCHARGE ASSEMBLY**
[54] **MECANISME DE DECHARGE D'AEROSOL**
[72] KUNTZELMAN, TOBY, US
[71] PLEWS, INC., US
[22] 2017-07-10
[41] 2018-02-08
[30] US (15/231,004) 2016-08-08

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[51] **Int.Cl. B65G 67/08 (2006.01) B62D 65/18 (2006.01) B65G 43/08 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **AUTOMATIC VEHICLE AND CONVEYOR POSITIONING**
[54] **POSITIONNEMENT AUTOMATIQUE DE VEHICULE ET TRANSPORTEUR**
[72] GREEN, LAWRENCE D., US
[72] FRASIER, MICHAEL E., US
[71] DEERE & COMPANY, US
[22] 2017-07-11
[41] 2018-02-05
[30] US (15/229,414) 2016-08-05

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[13] A1
[51] **Int.Cl. B08B 5/04 (2006.01) A61L 2/10 (2006.01) B61D 35/00 (2006.01) B63J 4/00 (2006.01) B64D 11/02 (2006.01)**
[25] EN
[54] **FLUID REMOVAL SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES D'ELIMINATION DE FLUIDE**
[72] TILLOTSON, BRIAN J., US
[71] THE BOEING COMPANY, US
[22] 2017-07-11
[41] 2018-02-09
[30] US (15/232210) 2016-08-09

[21] 2,973,080
[13] A1
[51] **Int.Cl. B64C 25/40 (2006.01) B60C 13/02 (2006.01)**
[25] EN
[54] **AIRCRAFT TIRE**
[54] **PNEU D'AERONEF**
[72] YOSHIDA, TAKASHI, JP
[71] DAITO PRESS MFG. CO., LTD., JP
[22] 2017-07-12
[41] 2018-02-10
[30] JP (2016-157446) 2016-08-10

[21] 2,973,547
[13] A1
[51] **Int.Cl. A63H 29/22 (2006.01) A63H 17/00 (2006.01)**
[25] EN
[54] **ELECTRIC TOY WITH ILLUMINATED HANDLEBAR**
[54] **JOUET ELECTRIQUE DOTE D'UNE BARRE DE POIGNEE ILLUMINEE**
[72] TALIOS, BILL, US
[72] BISGES, JOHN, US
[72] CASTRUCCI, DAVID, US
[71] DYNACRAFT BSC, INC., US
[22] 2017-07-14
[41] 2018-02-10
[30] US (15/233570) 2016-08-10

[21] 2,973,960
[13] A1
[51] **Int.Cl. B62M 6/40 (2010.01) B62M 6/90 (2010.01)**
[25] EN
[54] **ELECTRIC BICYCLE FRAME AND ELECTRIC BICYCLE**
[54] **CADRE DE BICYCLETTE ELECTRIQUE ET BICYCLETTE ELECTRIQUE**
[72] CUNADO LANDA, FRANCISO JAVIER, ES
[72] BEISTEGUI SAGASTI, JAVIER, ES
[71] BH BIKES EUROPE, S.L., ES
[22] 2017-07-20
[41] 2018-02-10
[30] EP (16 380 030.3) 2016-08-10

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[13] A1
[51] **Int.Cl. G03G 15/20 (2006.01) B82Y 30/00 (2011.01)**
[25] EN
[54] **FUSER MEMBERS**
[54] **ELEMENTS DE DISPOSITIFS DE FUSION**
[72] WU, JIN, US
[72] MA, LIN, US
[71] XEROX CORPORATION, US
[22] 2017-07-19
[41] 2018-02-05
[30] US (15/229621) 2016-08-05

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[13] A1
[51] **Int.Cl. F04D 29/66 (2006.01) F04D 15/00 (2006.01)**
[25] EN
[54] **CAVITATION LIMITING STRATEGIES FOR PUMPING SYSTEM**
[54] **STATEGIES DE LIMITATION DE CAVITATION DESTINEES A UN SYSTEME DE POMPAGE**
[72] ZHANG, YANCHAI, US
[72] DONG, ZHAOXU, US
[72] HU, XUEFEI, US
[71] CATERPILLAR INC., US
[22] 2017-07-19
[41] 2018-02-05
[30] US (15/229,673) 2016-08-05

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[13] A1
[51] **Int.Cl. E21B 10/08 (2006.01) E21B 10/18 (2006.01) E21B 10/50 (2006.01)**
[25] EN
[54] **DURABLE ROCK BIT FOR BLAST HOLE DRILLING**
[54] **TREPAN DURABLE DESTINE AU FORAGE DE TROU DE MINE**
[72] BEAVERS, TONY JACK, US
[72] KONGAMNACH, AMNACH, US
[71] VAREL INTERNATIONAL IND., L.P., US
[22] 2017-07-20
[41] 2018-02-09
[30] US (62/372,493) 2016-08-09

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[13] A1
[51] **Int.Cl. C09D 133/04 (2006.01) C09D 7/40 (2018.01) C09D 125/04 (2006.01)**
[25] EN
[54] **PAINT COMPOSITION**
[54] **COMPOSITION DE PEINTURE**
[72] DOMBROWSKI, GARY W., US
[72] LUO, PU, US
[72] MAJUMDAR, PARTHA S., US
[71] ROHM AND HAAS COMPANY, US
[22] 2017-07-19
[41] 2018-02-08
[30] US (62/372056) 2016-08-08

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[13] A1
[51] **Int.Cl. G06F 17/50 (2006.01) A01G 7/00 (2006.01)**
[25] EN
[54] **LANDSCAPE DESIGN SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE CONCEPTION DE PAYSAGE**
[72] HIGH, DONALD R., US
[72] THOMPSON, JOHN PAUL, US
[72] WINKLE, DAVID, US
[72] ATCHLEY, MICHAEL DEAN, US
[71] WAL-MART STORES, INC., US
[22] 2017-07-21
[41] 2018-02-05
[30] US (62/371,420) 2016-08-05

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[13] A1
[51] **Int.Cl. A23K 50/40 (2016.01) A23K 10/30 (2016.01) A23K 20/20 (2016.01) A23K 50/20 (2016.01) A61K 36/23 (2006.01) A61K 36/31 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **FEED AND FEED SUPPLEMENT FORMULATIONS**
[54] **ALIMENTATION ET FORMULATIONS DE SUPPLEMENT ALIMENTAIRE**
[72] CALVELEY, SANDRA M., CA
[72] KIMMETT, LESLIE L., CA
[71] CALVELEY, SANDRA M., CA
[71] KIMMETT, LESLIE L., CA
[22] 2017-07-25
[41] 2018-02-04
[30] US (62/370854) 2016-08-04
[30] US (62/473032) 2017-03-17

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[13] A1
[51] **Int.Cl. A61B 5/0464 (2006.01) A61B 5/0408 (2006.01) A61B 5/0452 (2006.01)**
[25] EN
[54] **IDENTIFYING ECG SIGNALS HAVING THE SAME MORPHOLOGY**
[54] **IDENTIFICATION DE SIGNAUX ECG AYANT LA MEME MORPHOLOGIE**
[72] NAKAR, ELAD, IL
[72] BEN-DOR, AMIR, IL
[72] SEKER GAFNI, NOAM, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-07-24
[41] 2018-02-10
[30] US (62/372,969) 2016-08-10
[30] US (15/646,344) 2017-07-11

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[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 17/24 (2006.01) A61M 25/095 (2006.01) A61M 25/10 (2013.01) A61M 29/02 (2006.01)**
[25] EN
[54] **BALLOON POSITIONING IN A SINUPLASTY PROCEDURE**
[54] **POSITIONNEMENT DE BALLONNET DANS UNE INTERVENTION DE SINUPLASTIE**
[72] ZOABI, AKRAM, IL
[72] MASSARWI, FADY, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-07-24
[41] 2018-02-04
[30] US (15/228,607) 2016-08-04

[21] **2,974,421**
[13] A1
[51] **Int.Cl. A61L 2/16 (2006.01) A61L 2/04 (2006.01) B08B 9/00 (2006.01)**
[25] EN
[54] **FEATURES TO PREVENT CROSS-CONTAMINATION OF ENDOSCOPE FROM REPROCESSING SYSTEM**
[54] **CARACTERISTIQUES SERVANT A PREVENIR LA CONTAMINATION CROISEE D'ENDOSCOPE DANS UN SYSTEME DE RETRAITEMENT**
[72] NGUYEN, NICK N., US
[71] ETHICON, INC., US
[22] 2017-07-24
[41] 2018-02-08
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[54] **MANURE AGITATION VESSEL WITH REMOTE POWER SOURCE**
[54] **RECIPIENT D'AGITATION DE FUMIER DOTE D'UNE SOURCE D'ALIMENTATION ELECTRIQUE DISTANTE**
[72] BEARINGER, LARRY, CA
[71] 1863385 ONTARIO INC., CA
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[41] 2018-02-04
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[25] EN
[54] **ALPHA/BETA RADIATION SHIELDING MATERIALS**
[54] **MATERIAUX PROTECTEURS CONTRE LE RAYONNEMENT ALPHA/BETA**
[72] WASHINGTON, AARON L., II, US
[72] NICHOLSON, JAMES C., US
[71] SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC, US
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[51] **Int.Cl. A61N 7/00 (2006.01)**
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[54] **SYSTEMS AND METHODS USING ULTRASOUND FOR TREATMENT**
[54] **SYSTEMES ET METHODES COMPRENANT DES ULTRASONS EN VUE D'UN TRAITEMENT**
[72] BONUTTI, PETER M., US
[72] BEYERS, JUSTIN E., US
[72] BIERMAN, TONYA M., US
[71] AXIOSONIC, LLC, US
[22] 2017-07-26
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[51] **Int.Cl. A21D 13/41 (2017.01) A21D 8/00 (2006.01) A21D 10/02 (2006.01) A21D 15/00 (2006.01)**
[25] EN
[54] **READY-TO-EAT BAKED PIZZA WHICH CAN BE STORED AT ROOM TEMPERATURE AND PROCESS FOR THE PRODUCTION THEREOF**
[54] **PIZZA CUITE PRETE A MANGER QUI PEUT ETRE GARDEE A LA TEMPERATURE DE LA PIECE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] BUTTINI, ROBERTO, IT
[72] RUGGERI, ALESSANDRO, IT
[72] RIBOLDI, GIANCARLO, IT
[72] FERRARI, CORRADO, IT
[71] BARILLA G. E R. FRATELLI S.P.A., IT
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[51] **Int.Cl. H04W 4/21 (2018.01)**
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[54] **METHOD AND DEVICE FOR DETERMINING USER RELATIONSHIP**
[54] **METHODE ET APPAREIL PERMETTANT DE DETERMINER LA RELATION D'UN UTILISATEUR**
[72] CHANG, KAI SHING, CN
[71] LIGHT UP TECHNOLOGY GROUP LIMITED, CN
[22] 2017-07-28
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[30] CN (16109349.1) 2016-08-05

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[51] **Int.Cl. F16J 15/3232 (2016.01) F16H 57/029 (2012.01) F16J 15/3248 (2016.01) F16C 33/72 (2006.01)**
[25] EN
[54] **SEALING DEVICE**
[54] **APPAREIL D'ETANCHEISATION**
[72] TANIDA, MASAYUKI, JP
[72] YAGI, MASAAKI, JP
[71] NOK CORPORATION, JP
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[51] **Int.Cl. A61C 19/02 (2006.01)**
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[54] **CONTAINER FOR ORAL CARE TOOLS AND METHOD OF ASSEMBLY AND USE**
[54] **CONTENANT D'OUTILS DE SOINS BUCCAUX ET METHODE D'ASSEMBLAGE ET UTILISATION**
[72] FRIEDT, NICHOLAS, US
[72] KOLLAR, KEVIN J., US
[71] RANIR, LLC, US
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[41] 2018-02-08
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[25] EN
[54] **LID ASSEMBLY AND RELATED CONTAINER FOR FASTENERS**
[54] **ASSEMBLAGE DE COUVERCLE ET CONTENANT ASSOCIE DESTINES A DES DISPOSITIFS DE FIXATION**
[72] HUSS, JAMES F., US
[71] THE HILLMAN GROUP, INC., US
[22] 2017-07-31
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[30] US (62/371,485) 2016-08-05

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[51] **Int.Cl. H04W 4/30 (2018.01) G05G 1/54 (2009.01) H04W 4/40 (2018.01) G08C 25/00 (2006.01)**
[25] EN
[54] **REMOTE CONTROL BUTTON ACTUATION MODULE, SYSTEM, AND METHOD**
[54] **MODULE D'ACTIONNEMENT DE BOUTON DE TELECOMMANDE, SYSTEME ET METHODE**
[72] TIEMAN, CRAIG ARNOLD, US
[71] TIEMAN VEHICLE TECHNOLOGIES LLC, US
[22] 2017-07-31
[41] 2018-02-04
[30] US (15/228,166) 2016-08-04

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[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **PHOSPHODIESTERASE INHIBITORS TO REPAIR BRAIN AND/OR RETINAL INJURY IN HUMAN NEWBORNS**
[54] **INHIBITEURS DE PHOSPHODIESTERASE EN VUE DE REPARER LES BLESSURES AU CERVEAU OU A LA RETINE CHEZ LES NOUVEAU-NES HUMAINS**
[72] WINTERMARK, PIA, CA
[71] WINTERMARK, PIA, CA
[22] 2017-07-31
[41] 2018-02-10
[30] US (62/372,860) 2016-08-10

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[51] **Int.Cl. F23K 5/00 (2006.01) F23C 1/00 (2006.01) F24H 9/20 (2006.01)**
[25] EN
[54] **GAS SWITCHING DEVICE AND ASSOCIATED METHODS**
[54] **DISPOSITIF DE COMMUTATEUR DE GAZ ET METHODES ASSOCIEES**
[72] WILLIS, VANCE ELLIOT, US
[72] MERCER, MICHAEL DAMION, US
[72] COM, BENJAMIN ISAAC, US
[71] HAYWARD INDUSTRIES, INC., US
[22] 2017-08-01
[41] 2018-02-04
[30] US (62/370,857) 2016-08-04
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[25] EN
[54] **SCHEDULING FAILURE**
[54] **PLANIFICATION DE DEFAILLANCE**
[72] NORTON, MARK, US
[72] TRICKLER, CHRISTOPHER, US
[72] NAIB, DEAN, US
[72] WESTRICK, RICHARD L., JR., US
[71] ABL IP HOLDING LLC, US
[22] 2017-08-02
[41] 2018-02-05
[30] US (15/229,149) 2016-08-05

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[13] A1
[51] **Int.Cl. G06F 21/32 (2013.01) G06K 9/62 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING USER LIVENESS AND VERIFYING USER IDENTITIES**
[54] **METHODES ET SYSTEMES DE DETERMINATION DE L'ETAT VIVANT D'UN UTILISATEUR ET DE VERIFICATION D'IDENTITE DES UTILISATEURS**
[72] IONITA, MIRCEA, IE
[71] DAON HOLDINGS LIMITED, KY
[22] 2017-08-01
[41] 2018-02-09
[30] US (15/231,863) 2016-08-09
[30] US (15/265,012) 2016-09-14
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[51] **Int.Cl. A01C 7/06 (2006.01) A01C 5/06 (2006.01) A01C 15/00 (2006.01) A01C 23/02 (2006.01)**
[25] EN
[54] **CUTTING HEADS AND AGRICULTURAL SEEDER IMPLEMENTS FORMED THEREWITH**
[54] **TETES DE COUPE ET ACCESSOIRES DE SEMOIR AGRICOLE FORMES DESDITES TETES DE COUPE**
[72] KILE, RONALD J., US
[71] KILE, RONALD J., US
[22] 2017-08-02
[41] 2018-02-04
[30] US (15/228,426) 2016-08-04

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[51] **Int.Cl. B03B 5/62 (2006.01)**
[25] EN
[54] **HYDRAULIC CLASSIFIERS**
[54] **CLASSIFICATEUR HYDRAULIQUE**
[72] GRIMM, LAFE, US
[72] HANSON, SHANE, US
[72] ILOT, PAUL, US
[71] SUPERIOR INDUSTRIES, INC., US
[22] 2017-08-03
[41] 2018-02-09
[30] US (62/372,757) 2016-08-09

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[51] **Int.Cl. F02C 9/28 (2006.01) B64D 31/00 (2006.01) F02C 9/26 (2006.01) F02C 9/44 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AN ENGINE CONTOLLER BASED ON INVERSE DYNAMICS OF THE ENGINE**
[54] **SYSTEME ET METHODE DESTINES A UN REGULATEUR DE MOTEUR FONDES SUR LA DYNAMIQUE INVERSE DU MOTEUR**
[72] MEUNIER, GABRIEL, CA
[72] PEDRAMI, REZA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-08-02
[41] 2018-02-04
[30] US (62/371,019) 2016-08-04
[30] US (15/361,254) 2016-11-25

[21] **2,975,356**
[13] A1
[51] **Int.Cl. F02C 9/26 (2006.01) F02C 9/28 (2006.01) F02C 9/44 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AN ENGINE CONTROLLER BASED ON ACCELERATION POWER**
[54] **SYSTEME ET METHODE DESTINES A UN REGULATEUR DE MOTEUR FONDES SUR LA PUISSANCE D'ACCELERATION**
[72] MEUNIER, GABRIEL, CA
[72] CHAREST, ALEXANDRE, CA
[72] LAMARRE, SYLVAIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-08-02
[41] 2018-02-04
[30] US (62/371,006) 2016-08-04
[30] US (15/361,251) 2016-11-25

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[51] **Int.Cl. F24D 19/10 (2006.01) F24F 11/46 (2018.01) F24F 11/70 (2018.01) F24D 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR BUILDING CLIMATE CONTROL**
[54] **SYSTEME ET METHODE D'ETABLISSEMENT D'UN CONTROLE DE CLIMATISATION**
[72] VAN BERKEL, SAMUEL P., CA
[72] HART, DOUGLAS R. S., CA
[71] WATERSHED TECHNOLOGIES INC., CA
[22] 2017-08-03
[41] 2018-02-04
[30] US (62/494313) 2016-08-04

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[51] **Int.Cl. E21B 41/00 (2006.01) E21B 33/03 (2006.01) E21B 43/295 (2006.01)**
[25] EN
[54] **MANUFACTURED GAS WELLPAD EXPANSION APPARATUS AND MODULE**
[54] **MODULE ET APPAREIL D'EXPANSION DE PLATEFORME D'EXPLOITATION DE GAZ FABRIQUE**
[72] LAU, WAYNE W. K., CA
[71] LAU, WAYNE W. K., CA
[22] 2017-08-04
[41] 2018-02-04
[30] CA (2,938,252) 2016-08-04

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[51] **Int.Cl. B29C 45/14 (2006.01) B32B 3/08 (2006.01) B32B 3/24 (2006.01) B32B 15/18 (2006.01) B32B 43/00 (2006.01)**
[25] EN
[54] **METHOD FOR INJECTING RESIN INTO LAMINATED IRON CORE**
[54] **METHODE D'INJECTION DE RESINE DANS UN NOYAU DE FER LAMELLE**
[72] MABU, HIROTOSHI, JP
[72] MATSUBAYASHI, SATOSHI, JP
[71] MITSUI HIGH-TEC, INC., JP
[22] 2017-08-03
[41] 2018-02-04
[30] JP (2016-153577) 2016-08-04

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[13] A1
[51] **Int.Cl. G06F 17/24 (2006.01) G06F 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE ONLINE EDITING OF PDF DOCUMENTS**
[54] **SYSTEME ET METHODE D'EDITION EN LIGNE DE DOCUMENTS PDF**
[72] GAREAU, ERIC, CA
[72] LYSENKO, ANATOLIY, CA
[72] FOTENIUK, MYKOLA, UA
[72] GOMEZ, CESAR, CA
[72] GRYSHCHENKO, SERGII, UA
[72] STEPANOV, VADYM, UA
[71] LULU SOFTWARE HOLDINGS, CA
[22] 2017-08-03
[41] 2018-02-04
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[51] **Int.Cl. B29C 64/171 (2017.01) B29C 64/165 (2017.01)**
[25] EN
[54] **FORMATION AND SEPARATION OF 3D PRINTED PARTS WITHIN MULTI-PART BUILD STRUCTURES**
[54] **FORMATION ET SEPARATION DE PIECES IMPRIMEES 3D DANS LES STRUCTURES BATIES MULTIPARTITES**
[72] HOOVER, LINN C., US
[72] RUIZ, ERWIN, US
[72] DUFORT, RON E., US
[72] KANUNGO, MANDAKINI, US
[72] BADESHA, SANTOKH S., US
[71] XEROX CORPORATION, US
[22] 2017-08-03
[41] 2018-02-10
[30] US (15/232972) 2016-08-10

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[13] A1
[51] **Int.Cl. B23C 3/00 (2006.01) B23Q 15/013 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR APPLYING A SURFACE STRUCTURING TO A WORKPIECE ON A MACHINE TOOL**
[54] **METHODE ET DISPOSITIF SERVANT A APPLIQUER UNE STRUCTURATION DE SURFACE A UNE PIECE DE TRAVAIL SUR UN OUTIL MACHINE**
[72] KETELAER, JENS, DE
[71] SAUER GMBH, DE
[22] 2017-08-04
[41] 2018-02-08
[30] DE (10 2016 214 697.1) 2016-08-08

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[51] **Int.Cl. B29C 64/112 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) G05B 19/18 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PARTITIONING A MATERIAL**
[54] **METHODE ET APPAREIL DE PARTITIONNEMENT D'UN MATERIAU**
[72] WARNER, BENJAMIN, US
[72] DE REGE THESAURO, FRANCESCO, US
[71] WARNER, BENJAMIN, US
[71] DE REGE THESAURO, FRANCESCO, US
[22] 2017-08-07
[41] 2018-02-05
[30] US (62371574) 2016-08-05

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[51] **Int.Cl. A23L 19/18 (2016.01) A23L 5/10 (2016.01) A23L 11/00 (2016.01) A23L 13/60 (2016.01) A23L 19/00 (2016.01) A23L 3/44 (2006.01)**
[25] EN
[54] **READY-TO-EAT, SHELF-STABLE TATER TOT-TYPE SNACK FOOD**
[54] **COLLATION DE TYPE TATER TOT STABLE EN TABLETTE ET PRETE A MANGER**
[72] JONES, ANNETTE, US
[72] GREEN, STEPHEN, US
[72] BURGULA, YASH, US
[72] DUFFIN-MAXWELL, KELLY, US
[71] CONTINENTAL MILLS, INC., US
[22] 2017-08-04
[41] 2018-02-05
[30] US (62/371631) 2016-08-05

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[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/03 (2006.01)**
[25] EN
[54] **INSTRUMENTATION FOR SOFT TISSUE RECONSTRUCTION**
[54] **INSTRUMENTATION DESTINEE A LA RECONSTRUCTION DE TISSUS MOUS**
[72] PILGERAM, KYLE CRAIG, US
[72] VIDAL, ARMANDO, US
[72] YORE, BENJAMIN, US
[72] OREN, RAN, IL
[72] RASH, ELAD, IL
[72] FIGUEROA, MIGUEL, US
[71] STRYKER CORPORATION, US
[22] 2017-08-03
[41] 2018-02-04
[30] US (62/371,005) 2016-08-04

[21] **2,975,550**
[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **BROWSER EXTENSION FOR FIELD DETECTION AND AUTOMATIC POPULATION**
[54] **EXTENSION DE NAVIGATEUR DESTINEE A LA DETECTION SUR PLACE ET AU REMPLISSAGE AUTOMATIQUE**
[72] TRIVEDI, DWIJ, US
[72] DE GANON, MATTHEW, US
[72] ARORA, KUNAL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-08-04
[41] 2018-02-05
[30] US (62/371,276) 2016-08-05

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[13] A1
[51] **Int.Cl. E03F 5/04 (2006.01) E03C 1/22 (2006.01)**
[25] EN
[54] **LINEAR DRAIN ASSEMBLY**
[54] **MECANISME DE DRAIN LINEAIRE**
[72] ISMERT, JOSEPH N., US
[72] CUCAR, CHRISTOPHER P., US
[72] JULIAN, FRANK D., US
[72] WINNAT, JEREMIAH T., US
[72] ISMERT, CHRISTOPHER J., US
[71] SIOUX CHIEF MFG. CO., INC., US
[22] 2017-08-04
[41] 2018-02-05
[30] US (62/371,603) 2016-08-05

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[13] A1
[51] **Int.Cl. B23B 37/00 (2006.01) B23B 49/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PROCESSING A WORKPIECE ON A NUMERICALLY CONTROLLED MACHINE TOOL**
[54] **METHODE ET DISPOSITIF DE TRAITEMENT D'UNE PIECE DE TRAVAIL SUR UN OUTIL MACHINE CONTROLE DE MANIERE NUMERIQUE**
[72] KETELAER, JENS, DE
[72] PRAETORIUS, MANUEL, DE
[71] SAUER GMBH, DE
[22] 2017-08-04
[41] 2018-02-08
[30] DE (10 2016 214 699.8) 2016-08-08

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) B60L 11/18 (2006.01) B60S 5/00 (2006.01) H02H 3/093 (2006.01)**
[25] EN
[54] **CHARGE DEMAND CONTROLLER DEVICE**
[54] **DISPOSITIF DE CONTROLE DE DEMANDE DE CHARGE**
[72] CORBEIL, DAVID, CA
[72] MENASSA, CHERIF, CA
[71] RECHARGE VEHICULE ELECTRIQUE INC., CA
[71] THERMOLEC LTEE, CA
[22] 2017-08-08
[41] 2018-02-09
[30] US (62/372,779) 2016-08-09

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[13] A1
[51] **Int.Cl. A01D 45/06 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR HARVESTING HEMP PLANTS AND SIMILAR**
[54] **METHODE ET DISPOSITIF DE RECOLTE DE PLANTS DE CHANVRE ET AUTRES SEMBLABLES**
[72] WIEKER, HEINRICH, DE
[71] WIEKER, HEINRICH, DE
[22] 2017-08-04
[41] 2018-02-05
[30] DE (10 2016 009 715.9) 2016-08-05
[30] DE (20 2016 004 904.7) 2016-08-05

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[51] **Int.Cl. D04B 1/16 (2006.01) A62B 17/00 (2006.01) D06M 17/00 (2006.01)**
[25] EN
[54] **FIRE RETARDANT FABRIC FOR LATEX FOAM BEDS**
[54] **TISSU IGNIFUGE DESTINE AUX LITS EN MOUSSE DE LATEX**
[72] PATEL, BIREN, CA
[71] FINE COTTON FACTORY INC., CA
[22] 2017-08-08
[41] 2018-02-08
[30] US (62/372,060) 2016-08-08

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[13] A1
[51] **Int.Cl. B29C 65/18 (2006.01)**
[25] EN
[54] **CONTROLLING DIRECTION AND MAGNITUDE OF WELD FORCE VECTOR DURING A PLASTIC WELDING OPERATION**
[54] **COMMANDE DE DIRECTION ET DE MAGNITUDE DU VECTEUR DE FORCE DE SOUDURE PENDANT UNE OPERATION DE SOUDAGE DE PLASTIQUE**
[72] PUPOVAC, RADE, CA
[72] TOUESNARD, ZACHARY, CA
[72] HOLTKAMP, CHRISTIAN PETER, CA
[72] NOVAKOVIC, BORIS, CA
[71] SPM AUTOMATION (CANADA) INC., CA
[22] 2017-08-04
[41] 2018-02-05
[30] US (62/371,701) 2016-08-05
[30] US (15/668,104) 2017-08-03

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[13] A1
[51] **Int.Cl. G06F 19/12 (2011.01) G06F 19/24 (2011.01) C40B 30/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF SELECTING COMPOUNDS WITH REDUCED RISK OF CARDIOTOXICITY USING CARDIAC SODIUM ION CHANNEL MODELS**
[54] **SYSTEMES ET METHODES DE SELECTION DE COMPOSES A RISQUE REDUIT DE CARBOTOXICITE AU MOYEN DE MODELES DE CANAL D'ION SODIUM CARDIAQUE**
[72] BARAKAT, KHALED, CA
[72] AHMED, MARAWAN, CA
[72] GANESAN, ARAVINDHAN, CA
[72] HOUGHTON, MICHAEL, CA
[72] TYRRELL, LORNE, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[22] 2017-08-04
[41] 2018-02-05
[30] US (62/371,675) 2016-08-05

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[13] A1
[51] **Int.Cl. H02G 3/36 (2006.01)**
[25] EN
[54] **APPARATUS FOR MANAGING ELECTRICAL WIRES**
[54] **APPAREIL DE GESTION DES FILS ELECTRIQUES**
[72] WALSH, JERRY, CA
[71] WALSH, JERRY, CA
[22] 2017-08-09
[41] 2018-02-10
[30] US (62/372,943) 2016-08-10

[21] 2,975,751
[13] A1
[51] **Int.Cl. C10G 5/06 (2006.01) B01D 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CAPTURING NATURAL GAS LIQUIDS FROM OIL TANK VAPORS**
[54] **SYSTEMES ET METHODES DE CAPTURE DE LIQUIDES DE GAZ NATUREL DE VAPEUR DE CITERNE DE PETROLE**
[72] ZUBRIN, ROBERT M., US
[72] SARGSYAN, GEVORG, US
[72] YOUNG, ANDREW C., US
[72] HOTTON, KEVIN, US
[72] LEWIS, MATTHEW, US
[71] PIONEER ENERGY, INC., US
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[54] **SYSTEM, METHOD AND APPARATUS FOR BASEMENT FOOTER CONCRETE FORMS AND DRAINAGE-RELATED COMPONENTS**
[54] **SYSTEME, METHODE ET APPAREIL DESTINES A DES FORMES DE BETON D'ASSISE DE SOUBASSEMENT ET COMPOSANTES ASSOCIEES AU DRAINAGE**
[72] CLAPPER, JOSHUA E., US
[72] DEAN, ROY LUCAS, US
[71] NORTH AMERICAN PIPE COMPANY, US
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[54] **APPAREIL ET METHODE D'INJECTION DE RESINE DANS UN NOYAU DE FER LAMELLE**
[72] MABU, HIROTOSHI, JP
[72] MATSUBAYASHI, SATOSHI, JP
[71] MITSUI HIGH-TEC, INC., JP
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[54] **SPLIT RING SEALING ASSEMBLIES**
[54] **ASSEMBLAGES D'ETANCHEISATION DE BAGUE FENDUE**
[72] FRAZIER, W. LYNN, US
[71] MAGNUM OIL TOOLS INTERNATIONAL, LTD, US
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[54] **APPAREIL, SYSTEME ET METHODES DE TRADUCTION D'IDENTITE DE REGISTRE DE TRANSACTIONS**
[72] JUTLA, DAWN N., CA
[72] BODORIK, PETER, CA
[72] MALCOLM, ROHAN V., JM
[71] PEER LEDGER INC., CA
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[54] **HEADGEAR FOR A SHIELDING GARMENT WITH FACE SHIELD**
[54] **COIFFURE DESTINEE A UN VETEMENT PROTECTEUR EQUIPE D'UN PROTECTEUR FACIAL**
[72] CARRARO, RINALDO, IT
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[54] **DETECTION DEVICE AND DETECTION CONTROL METHOD**
[54] **DISPOSITIF DE DETECTION ET METHODE DE CONTROLE DE DETECTION**
[72] KOSUGI, MASANORI, JP
[71] KABUSHIKI KAISHA TOKAI RIKA DENKI SEISAKUSHO, JP
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[54] **SYSTEME DE SECURITE DISTRIBUE A DISPOSITIF INTELLIGENT**
[72] PROBIN, ROBERT J., US
[72] CRISP, MARTIN, US
[72] BROWN, WILLIAM J., US
[71] HONEYWELL INTERNATIONAL INC., US
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[54] **DISPLAY SYSTEM**
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[72] LEE, NICK, US
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[54] **COUVERCLE DE COFFRET ELECTRIQUE EXTENSIBLE EN UTILISATION**
[72] DINH, CONG THANH, US
[72] O'NEIL, MICHAEL, US
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[54] **AIRCRAFT TAIL WITH CROSS-FLOW FAN SYSTEMS**
[54] **QUEUE D'AERONEF DOTEE DE SYSTEMES DE VENTILATEUR A FLUX CROISE**
[72] GRONINGA, KIRK L., US
[72] ROBERTSON, DANIEL B., US
[72] LOUIS, MATTHEW E., US
[71] BELL HELICOPTER TEXTRON INC., US
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[54] **APPAREIL ET METHODE D'ORIENTATION DE POUSSEE D'AILES DE VENTILATEUR A FLUX CROISE SUR UN AERONEF**
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[72] ROBERTSON, DANIEL B., US
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[54] **APPAREIL D'EXTRACTION D'EMANATIONS A OUVERTURE D'EXTRACTION DEPLACABLE**
[72] VO, CHAU THIEN, CA
[72] KAZAZIAN, ANTHONY, CA
[71] PAT TECHNOLOGY SYSTEMS INC., CA
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[54] **NETWORKING ENCLOSURE ASSEMBLY WITH MAGNETIC ALIGNMENT AND INTERLOCKING, ADAPTABLE TO BE INSTALLED IN DIFFERENT LOCATIONS AND POSITIONS**
[54] **ENSEMBLE D'ENCEINTE DE RESEAUTAGE DOTE D'ALIGNEMENT MAGNETIQUE ET D'INTERVERROUILLAGE, ADAPTABLE A INSTALLER DANS DES EMPLACEMENTS ET DES POSITIONNEMENTS DIFFERENTS**
[72] CHEN, HONG, CA
[72] CHENG, NATHAN, CA
[72] GUCKEL, CHRISTIAN, CA
[72] HAMMERSLEY, DONOVAN, CA
[72] LEE, BALIN, CA
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[54] **SYSTEM AND APPARATUS FOR DRYING HAY BALES**
[54] **SYSTEME ET APPAREIL DE SECHAGE DE BALLES DE FOIN**
[72] MARTIN, CHRISTOPHER S., CA
[72] MARTIN, JARED S., CA
[72] REIST, EDGAR S., CA
[72] REIST, CLARENCE S., CA
[71] CHINOOK HAY SYSTEMS INC., CA
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[54] **METHODE ET SYSTEME DE PREFORMAGE DU FORAGE AUTOMATISE D'UN PUITS DE FORAGE**
[72] NG, CHOON-SUN JAMES, CA
[72] KHROMOV, SERGEY, CA
[71] PASON SYSTEMS CORP., CA
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[54] **COMBINED CARRIERS AND PROTECTIVE VESTS**
[54] **VESTES DE PROTECTION ET PORTEURS COMBINES**
[72] DE GEUS, MICHAEL, US
[71] LEATHERBACK GEAR, LLC, US
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[71] KOMATSU LTD., JP
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[54] **COMBINAISON PHARMACEUTIQUE D'EVEROLIMUS ET DE DACTOLISIB**
[72] GLASS, DAVID, US
[72] MANNICK, JOAN, US
[72] MURPHY, LEON, US
[71] NOVARTIS AG, CH
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[54] **COMPOSITIONS FOR DETECTING CIRCULATING INTEGRIN BETA-3 BIOMARKER AND METHODS FOR DETECTING CANCERS AND ASSESSING TUMOR PRESENCE OR PROGRESSION, CANCER DRUG RESISTANCE AND TUMOR STEMNESS**
[54] **COMPOSITIONS DE DETECTION DE BIOMARQUEUR INTEGRINE BETA-3 CIRCULANT ET PROCEDES DE DETECTION DE CANCERS ET D'EVALUATION DE LA PRESENCE OU DE L'EVOLUTION DE TUMEURS, DE RESISTANCE AUX MEDICAMENTS CONTRE LE CANCER ET DE CARACTERE DE SOUCHE TUMORALE**
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[72] SEGUIN, LAETITIA, US
[72] FUJITA, YU, US
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[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[72] KAMINSKI, CHRISTIAN, CH
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[54] **ANTICORPS ANTI-CD38 POUR LE TRAITEMENT DE L'AMYLOIDOSE A CHAINES LEGERES ET D'AUTRES TUMEURS MALIGNES HEMATOLOGIQUES POSITIVES A CD38**
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[72] SASSER, AMY, US
[72] CHAULAGAIN, CHAKRA, US
[72] COMENZO, RAYMOND, US
[72] MA, XUN, US
[71] TUFTS MEDICAL CENTER, INC., US
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[54] **ESTER DE POLYOL BORE D'ANTIOXYDANT/MODIFICATEUR DE COEFFICIENT DE FROTTEMENT A BASE DE PHENOL ENCOMBRE PRESENTANT UNE PERFORMANCE AMELIOREE**
[72] SUEN, YAT FAN, US
[72] MCLAIN, JULIAN H., US
[72] MILLER, JOHN ROBERT, US
[72] NEWELL, JENNIFER ELIZABETH, US
[72] LI, SHENGHUA, US
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[71] CHEVRON ORONITE COMPANY LLC, US
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[54] **SOLUTION D'INHALATION DE TIOTROPIUM A NEBULISER**
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[72] KOPPENHAGEN, FRANCISCUS, US
[72] CHAUDHARI, SUNIL, IN
[72] RAJURKAR, SURESH, IN
[72] DHATRAK, CHANDRAKANT, IN
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[54] **ESTERAMIDES ET FLUIDES DE TRAITEMENT SOUTERRAIN CONTENANT CES ESTERAMIDES**
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[72] VILLAREAL, QUENTON CHRISTOPHER, US
[72] MAKIAH, SAMA NAZAR, US
[72] FLORIDI, GIOVANNI, IT
[72] LI BASSI, GIUSEPPE, IT
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[54] **COMPOSITION D'HUILE DE KRILL FLUIDE CONCENTREE EN PHOSPHOLIPIDES**
[72] BRUHEIM, INGE, NO
[72] CAMERON, JOHN, NO
[72] KRAKELI, TOR-ARNE, NO
[72] OTERHALS, AGE, NO
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[72] MUTHUKAMAN, NAGARAJAN, IN
[72] GHARAT, LAXMIKANT ATMARAM, IN
[72] KADAM, SURESH MAHADEV, IN
[72] GAVHANE, SACHIN, IN
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[54] **COMPOSITIONS ET METHODES POUR AUGMENTER LA NEUROGENESE CHEZ L'ANIMAL**
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[54] **COMPOSITIONS AND METHODS FOR DEGRADATION OF MISFOLDED PROTEINS**
[54] **COMPOSITIONS ET PROCEDES POUR LA DEGRADATION DE PROTEINES MAL PLIEES**
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[72] GUO, LILI, US
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[54] **NOUVEAUX COMPOSES HETEROCYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE L'ENZYME VANINE-1**
[72] CASIMIRO-GARCIA, AGUSTIN, US
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[72] FLICK, ANDREW CHRISTOPHER, US
[72] GOPALSAMY, ARIAMALA, US
[72] KIRINCICH, STEVEN J., US
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[54] **DERIVE DE L'UREE OU SEL PHARMACOLOGIQUEMENT ACCEPTABLE DE CE DERNIER**
[72] FUJII, KIYOSHI, JP
[72] UMEI, KENTARO, JP
[72] TAKAHASHI, HIROYASU, JP
[72] SHIBASAKI, MITSUHITO, JP
[72] OHATA, KOHEI, JP
[71] KYORIN PHARMACEUTICAL CO., LTD., JP
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[54] **ISG15 ET SON UTILISATION COMME ADJUVANT**
[72] WEINER, DAVID, US
[72] VILLARREAL, DANIEL, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[54] **WATER-SOLUBLE PYRAZOLE DERIVATIVES AS CORROSION INHIBITORS**
[54] **DERIVES DE PYRAZOLE SOLUBLES DANS L'EAU UTILISES EN TANT QU'INHIBITEURS DE CORROSION**
[72] HARBINDU, ANAND, IN
[72] SEETHARAMAN, JOTHIBASU, IN
[72] ATKINS, JEFFERY M., US
[72] RANE, DEEPAK, IN
[72] SIVASWAMY, VAIDEESWARAN, IN
[71] ECOLAB USA INC., US
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[54] **MULTI-LIGAND DRUG CONJUGATES AND USES THEREOF**
[54] **CONJUGUES DE MEDICAMENT MULTI-LIGANDS ET LEURS UTILISATIONS**
[72] HUANG, BAOHUA ROBERT, CN
[72] DAI, JIAN, CN
[72] WANG, ZHONGBO, CN
[72] XIE, XUEYUAN, CN
[72] LIU, XIAODONG, CN
[72] HU, XINLI, CN
[71] COHERENT BIOPHARMA, KY
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|54| **A NOVEL PROCESS FOR PREPARING ENZALUTAMIDE**
|54| **NOUVEAU PROCEDE DE PREPARATION D'ENZALUTAMIDE**
|72| LIAO, YUAN-XIU, TW
|72| GUO, JIUNN-CHEH, TW
|72| SHIH, WEN-LI, TW
|72| CHEN, SHANG-HONG, TW
|71| SCINOPHARM TAIWAN, LTD., CN
|85| 2017-11-27
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|54| **METHODS, SYSTEMS, AND APPARATUSES FOR USE OF CARBON DIOXIDE IN A FISCHER-TROPSCH SYSTEM**
|54| **PROCEDES, SYSTEMES ET APPAREILS PERMETTANT D'UTILISER DU DIOXYDE DE CARBONE DANS UN SYSTEME DE FISCHER-TROPSCH**
|72| INGA, JUAN RICARDO, US
|72| BONNELL, LEO, US
|71| SGC ENERGIA CO LLC, US
|85| 2017-11-28
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|54| **IMPROVED PROCESS FOR PREPARING (E)-(5,6-DIHYDRO-1,4,2-DIOXAZINE-3-YL)(2-HYDROXYPHENYL)METHANON E O-METHYL OXIME**
|54| **PROCEDE AMELIORE DE PREPARATION DE (E)-(5,6-DIHYDRO-1,4,2-DIOXAZINE-3-YL)(2-HYDROXYPHENYL)METHANON E O-METHYL OXIME**
|72| PRASAD, VIC, US
|72| GIBB, CAMERON, US
|72| LARSON, CHRISTOPHER LYNN, US
|72| SRIKANTH, A. SAI, IN
|72| PAWAR, JIVAN DHANRAJ, IN
|72| BALAKRISHNAN, SANKAR, IN
|72| RAVIKUMAR, K. N., IN
|72| MANE, AVINASH SHESHARO, IN
|72| SATEESH, SAGI, IN
|72| RAO, SAMPADARAO ANANDA, IN
|71| ARYSTA LIFESCIENCE CORPORATION, JP
|85| 2017-11-28
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|54| **1,3,4-OXADIAZOLE SULFAMIDE DERIVATIVE COMPOUNDS AS HISTONE DEACETYLASE 6 INHIBITOR, AND THE PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**
|54| **COMPOSES DERIVES DE SULFAMIDE DU 1,3,4-OXADIAZOLE UTILISES COMME INHIBITEUR DE L'HISTONE DESACETYLASE 6, ET COMPOSITION PHARMACEUTIQUE COMPRENANT CEUX-CI**
|72| LEE, JAEKWANG, KR
|72| HAN, YOUNGHUE, KR
|72| KIM, YUNTAE, KR
|72| MIN, JAEKI, KR
|72| BAE, MISEON, KR
|72| KIM, DOHOON, KR
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|72| KYUNG, JANGBEEN, KR
|71| CHONG KUN DANG PHARMACEUTICAL CORP., KR
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|54| **PEGYLATED OXYNTOMODULIN VARIANTS**
|54| **VARIANTES DE L'OXYNTOMODULINE PEGYLEE**
|72| FIMA, UDI EYAL, IL
|72| HERSHKOVITZ, OREN, IL
|71| OPKO BIOLOGICS LTD., IL
|85| 2017-11-29
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[54] **PROCEDE DE PREPARATION DE PRECURSEUR D'IBRUTINIB**
[72] LEBEDEVS, ANTONS, LV
[72] PONOMARJOVS, JURIJS, LV
[72] VARACEVA, LARISA, LV
[72] CERNAKS, DMITRIJS, LV
[72] CERNOBROVIJS, ALEKSANDRS, LV
[71] LATVIAN INSTITUTE OF ORGANIC SYNTHESIS, LV
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[54] **USE OF A BLOCK POLYMER COMPRISING A BLOCK OF POLY(3-(METHACRYLOYLAMINO)PROPYLTRIMETHYLAMMONIUM CHLORIDE) (PMAPTAC) FOR THE NEUTRALIZATION OF HEPARIN**
[54] **UTILISATION D'UN POLYMERE SEQUENCE COMPRENANT UN BLOC DE POLY(3-(METHACRYLOYLAMINO)PROPYLTRIMETHYLAMMONIUM CHLORURE) (PMAPTAC) POUR LA NEUTRALISATION D'HEPARINE**
[72] MOGIELNICKI, ANDRZEJ, PL
[72] KALASKA, BARTLOMIEJ, PL
[72] PAWLAK, DARIUSZ, PL
[72] SOKOLOWSKA, EMILIA, PL
[72] NOWAKOWSKA, MARIA, PL
[72] SZCZUBIALKA, KRZYSZTOF, PL
[72] KAMINSKI, KAMIL, PL
[71] UNIWERSYTET JAGIELLONSKI, PL
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[54] **MUSCARINIC M1 RECEPTOR POSITIVE ALLOSTERIC MODULATORS**
[54] **MODULATEURS ALLOSTERIQUES POSITIFS DU RECEPTEUR MUSCARINIQUE M1**
[72] NIROGI, RAMAKRISHNA, IN
[72] MOHAMMED, ABDUL RASHEED, IN
[72] SHINDE, ANIL KARBHARI, IN
[72] GAGGINAPALLY, SHANKAR REDDY, IN
[72] JASTI, VENKATESWARLU, IN
[71] SUVEN LIFE SCIENCES LIMITED, IN
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[54] **ETHER COMPOUNDS AND RELATED COMPOSITIONS**
[54] **COMPOSES D'ETHER ET COMPOSITIONS ASSOCIEES**
[72] LAMB, GORDON, US
[72] GOKHALE, AMIT, US
[72] DAVIES, JOHN PHILIP, US
[72] REDSHAW, JOHN, US
[72] SEDEN, PETER, US
[72] WEST, KEVIN, US
[71] CASTROL LIMITED, GB
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[54] **METHODS AND COMPOSITIONS TO MODULATE THE GUT MICROBIOTA AND TO MANAGE WEIGHT**
[54] **PROCEDES ET COMPOSITIONS POUR MODULER LE MICROBIOTE INTESTINAL ET GERER POIDS**
[72] CELIKER, HASAN, US
[71] XENO BIOSCIENCES INC., US
[85] 2017-11-29
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[54] **FORMULATIONS TO ACHIEVE RAPID DISSOLUTION OF DRUG FROM SPRAY-DRIED DISPERSIONS IN CAPSULES**
[54] **FORMULATIONS POUR OBTENIR UNE DISSOLUTION RAPIDE D'UN MEDICAMENT A PARTIR DE DISPERSIONS SECHEES PAR PULVERISATION DANS DES CAPSULES**
[72] MORGEN, MICHAEL MARK, US
[72] GOODWIN, AARON KEITH, US
[71] CAPSUGEL BELGIUM NV, BE
[85] 2017-11-30
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[54] **METHODS AND SYSTEMS FOR COMMUNICATION-SESSION ARRANGEMENT ON BEHALF OF CRYPTOGRAPHIC ENDPOINTS**
[54] **PROCEDES ET SYSTEMES DE GESTION DE SESSION DE COMMUNICATION POUR LE COMPTE DE POINTS D'EXTREMITE CRYPTOGRAPHIQUES**
[72] PERRINE, JEROME, CH
[72] BENOIT, BERNARD, CH
[72] VAN RIEK, MAURICE, CH
[72] OSEN, KARL, CH
[71] NAGRAVISION S.A., CH
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[54] **SYSTEMS AND METHODS FOR SPOOF DETECTION AND LIVENESS ANALYSIS**
[54] **SYSTEMES ET PROCEDES DE DETECTION D'USURPATION ET D'ANALYSE D'EXISTENCE DE VIE**
[72] DERAKHSHANI, REZA R., US
[72] TEPLY, JOEL, US
[71] EYEVERIFY INC., US
[85] 2017-12-14
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[54] **PRODUCTION OF SCANDIUM-CONTAINING CONCENTRATE AND FURTHER EXTRACTION OF HIGH-PURITY SCANDIUM OXIDE FROM THE SAME**
[54] **PRODUCTION DE CONCENTRE RENFERMANT DU SCANDIUM ET EXTRACTION SUBSEQUENTE D'OXYDE DE SCANDIUM DE GRANDE PURETE**
[72] SUSS, ALEKSANDR GENNADIEVICH, RU
[72] KOZYREV, ALEKSANDR BORISOVICH, RU
[72] PANOV, ANDREJ VLADIMIROVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
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[54] **ENSEMBLE DE ROULEMENT**
[72] DUFTY, RAYMOND JEFFREY, AU
[71] DUFTY, RAYMOND JEFFREY, AU
[71] RIX, DOROTHEA ISABEL MAUD, AU
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[54] **SYSTEME DE CHARRUE**
[72] GREEN, OLE, DK
[72] KIRKEGAARD NIELSEN, SOEREN, DK
[71] AGRO INTELLIGENCE APS, DK
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[54] **EN-TETES DE DROITS DE CONTENU**
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[71] HOME BOX OFFICE, INC., US
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[54] **DETECTION DE PIXELS PARASITES DANS UN CAPTEUR D'IMAGE INFRAROUGE**
[72] SARAGAGLIA, AMAURY, FR
[71] ULIS, FR
[85] 2017-12-21
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[54] **APPARATUS AND METHOD FOR ANALYSIS OF GEOPHYSICAL LOGGING DATA OBTAINED BY USING GAMMA RAY LOGGING**
[54] **APPAREIL ET PROCEDE D'ANALYSE DE DONNEES DE DIAGRAPHIES GEOPHYSIQUES A L'AIDE DE RAYONS GAMMA**
[72] LEE, HYUN SUK, KR
[72] RHEE, CHUL WOO, KR
[71] KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES, KR
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[25] EN
[54] **PROCESS FOR PRODUCING FLEXIBLE CONTAINER WITH MICROCAPILLARY DISPENSING SYSTEM**
[54] **PROCEDE PERMETTANT DE PRODUIRE UN RECIPIENT SOUPLE AVEC SYSTEME DE DISTRIBUTION MICRO-CAPILLAIRE**
[72] FRANCA, MARCOS, BR
[72] PEREIRA, BRUNO RUFATO, BR
[72] HUANG, WENYI, US
[72] DIETSCHE, LAURA J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **SYSTEM AND METHOD TO REDUCE FLUID PRODUCTION FROM A WELL**
[54] **SYSTEME ET PROCEDE POUR REDUIRE LA PRODUCTION DE FLUIDES DANS UN PUITS**
[72] FILIPPOV, ANDREY, US
[72] KHORIAKOV, VITALY, CA
[72] SOLIMAN, MOHAMED Y., US
[71] LANDMARK GRAPHICS CORPORATION, US
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[25] EN
[54] **MONITORING OF POWER CABLES WITH DISTRIBUTED FIBRE OPTIC SENSING**
[54] **SURVEILLANCE DE CABLES DE PUISSANCE AVEC UNE DETECTION OPTIQUE PAR FIBRES DISTRIBUEES**
[72] GODFREY, ALASTAIR, GB
[71] OPTASENSE HOLDINGS LIMITED, GB
[85] 2017-12-27
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[25] EN
[54] **PLURALITY OF MASS-PRODUCED MULTI-COMPONENT PLASTIC HOUSINGS**
[54] **PLURALITE DE BOITIERS A ELEMENTS MULTIPLES EN PLASTIQUE, PRODUITS EN MASSE**
[72] KUNZ, MARC, DE
[72] HUEBSCHER, WERNER, DE
[72] LUECKEL, KRIS, DE
[72] SCHAEFER, SVEN, DE
[72] TRIEBIG, STEFAN, DE
[71] BRAUN GMBH, DE
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[54] **MULTI-COMPONENT PLASTIC HOUSING**
[54] **BOITIER EN PLASTIQUE MULTI-COMPOSANTS**
[72] KUNZ, MARC, DE
[72] HUEBSCHER, WERNER, DE
[72] LUECKEL, KRIS, DE
[72] SCHAEFER, SVEN, DE
[72] TRIEBIG, STEFAN, DE
[71] BRAUN GMBH, DE
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[25] EN
[54] **APPARATUS AND METHOD FOR PURIFICATION OF A FLUID BY MEANS OF A FILTER BED**
[54] **APPAREIL ET PROCEDE DE PURIFICATION D'UN FLUIDE AU MOYEN D'UN LIT FILTRANT**
[72] FABER, JELLE, NL
[72] VAN DER HEIDEN, PIETER, NL
[72] ROZENDAL, RENE ALEXANDER, NL
[71] PAQUES I.P. B.V., NL
[85] 2017-12-28
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[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING A LAYER PROPERTY OF A LAYER IN AN EXTRUSION PROCESS**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION D'UNE PROPRIETE D'UNE COUCHE DANS UN PROCESSUS D'EXTRUSION**
[72] NERLING, CHRISTOPH, DE
[71] INOEX GMBH, DE
[85] 2017-12-29
[86] 2016-06-24 (PCT/DE2016/100286)
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[54] **SECTOR HAVING PROGRESSIVE THICKNESS**
[54] **SECTEUR A EPAISSEUR PROGRESSIVE**
[72] GAUDFRIN, GUY, FR
[71] GAUDFRIN, FR
[85] 2017-12-29
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[25] EN
[54] **ADVANCED IDENTIFICATION AND CLASSIFICATION OF SENSORS AND OTHER POINTS IN A BUILDING AUTOMATION SYSTEM**
[54] **IDENTIFICATION ET CLASSIFICATION AVANCEES DE CAPTEURS ET D'AUTRES POINTS DANS UN SYSTEME IMMOTIQUE**
[72] BURT, JASON, US
[72] KOSNIK, BRICE, US
[71] BUILDPULSE, INC., US
[85] 2018-01-02
[86] 2016-07-01 (PCT/IB2016/001062)
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[30] US (62/188,308) 2015-07-02

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[51] **Int.Cl. H03M 13/09 (2006.01) H03M 13/19 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MAXIMIZING CHANNEL BANDWIDTH WHILE EMPLOYING ERROR CONTROL CODING**
[54] **PROCEDE ET SYSTEME DE MAXIMISATION DE LA BANDE PASSANTE DE CANAL TOUT EN EMPLOYANT UN CODAGE DE CONTROLE D'ERREUR**
[72] SWARTS, FRANCIS, US
[72] DU PREEZ, ANDREW CHRISTOPHER, US
[71] NEXTIVITY, INC., US
[85] 2018-01-02
[86] 2016-07-01 (PCT/US2016/040835)
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[25] EN
[54] **DEVICES FOR DRIVING AWAY OR EXTERMINATING PESTS**
[54] **DISPOSITIFS POUR EXPULSER OU DETRUIRE DES PARASITES**
[72] BARTSCHER, GERHARD, DE
[71] BARTSCHER INNOVATIONSTECHNOLOGIEN GMBH, DE
[85] 2018-01-03
[86] 2016-06-22 (PCT/DE2016/100283)
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[25] EN
[54] **A TEMPORARY LOAD SECURING DEVICE FOR AN ARMOURED HIGH VOLTAGE CABLE AND A METHOD FOR FACILITATING INSTALLATION-RELATED OPERATIONS OF AN ARMOURED HIGH VOLTAGE CABLE**
[54] **DISPOSITIF DE FIXATION DE CHARGE TEMPORAIRE POUR CABLE HAUTE-TENSION BLINDE ET PROCEDE POUR FACILITER LES OPERATIONS LIEES A L'INSTALLATION D'UN CABLE HAUTE-TENSION BLINDE**
[72] HANSSON, STEFAN, SE
[72] BEHRENS, JONAS, SE
[71] NKT HV CABLES GMBH, CH
[85] 2018-01-03
[86] 2015-07-03 (PCT/EP2015/065211)
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[25] EN
[54] **MACHINE FOR SEALING PLASTIC PROFILED ELEMENTS**
[54] **MACHINE POUR SOUDER DES ELEMENTS PROFILES EN PLASTIQUE**
[72] VACCARI, ANDREA, IT
[71] GRAF SYNERGY S.R.L., IT
[85] 2018-01-03
[86] 2016-07-13 (PCT/IB2016/054164)
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[54] **GESTION D'ENERGIE ADAPTATIVE POUR SYSTEME DE RECUPERATION D'ENERGIE AUTO-ENTRETENU**
[72] SEQUEIRA, MELWYN, US
[72] HALL, STEWART E., US
[71] TYCO FIRE & SECURITY GMBH, CH
[71] SEQUEIRA, MELWYN, US
[85] 2018-01-03
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[54] **BALLE DE GOLF**
[72] JOLLIFFE, DAVID VICTOR, GB
[72] JOLLIFFE, STEVEN PAUL, GB
[71] WORLD GOLF SYSTEMS LIMITED, GB
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[86] 2016-07-08 (PCT/GB2016/052068)
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[51] **Int.Cl. H02G 1/14 (2006.01)**
[25] EN
[54] **A METHOD OF BUILDING AN INSULATION SYSTEM AROUND A NAKED CONDUCTOR SECTION OF A POWER CABLE**
[54] **PROCEDE DE CONSTRUCTION D'UN SYSTEME D'ISOLATION AUTOUR D'UN SEGMENT DE CONDUCTEUR NU D'UN CABLE D'ALIMENTATION**
[72] BEDNAROWSKI, DARIUSZ, PL
[72] LOGAKIS, EMMANUEL, CH
[72] ANTONISCHKI, JORN, SE
[72] KROL, JULITA, PL
[72] XIE, LEI, CH
[72] ZANT, NIKOLAUS, US
[71] NKT HV CABLES GMBH, CH
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[25] FR
[54] **ECHANGEUR ET/OU ECHANGEUR-REACTEUR COMPRENANT DES CANAUX PRESENTANT UNE FAIBLE EPAISSEUR DE PAROI ENTRE EUX**
[54] **HEAT EXCHANGER AND/OR HEAT EXCHANGER-REACTOR INCLUDING CHANNELS HAVING THIN WALLS BETWEEN ONE ANOTHER**
[72] FAURE, RAPHAEL, FR
[72] VALENTIN, SOLENE, FR
[72] FLIN, MATTHIEU, FR
[72] DUBET, OLIVIER, FR
[72] DEL-GALLO, PASCAL, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[86] 2016-07-04 (PCT/FR2016/051688)
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[25] EN
[54] **DRAIN ROD SYSTEM**
[54] **SYSTEME DE TIGE DE DRAINAGE**
[72] PIKARSKI, DANIEL, GB
[71] POWER BOX AG, CH
[85] 2018-01-04
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[25] EN
[54] **FLOORING BOARD WITH A THIN VENEER WOOD AESTHETIC AND DURABLE SURFACE**
[54] **LAME DE PARQUET AVEC UNE SURFACE DURABLE ET ESTHETIQUE EN BOIS DE PLACAGE MINCE**
[72] BOGNER, HARRY, US
[72] QUINLAN, DICK, US
[71] MOHAWK CARPET, LLC, US
[85] 2018-01-04
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[25] EN
[54] **CONTROL METHODS FOR TINTABLE WINDOWS**
[54] **PROCEDES DE COMMANDE DESTINES A DES FENETRES POUVANT ETRE TEINTEES**
[72] BROWN, STEPHEN C., US
[72] ZEDLITZ, JASON, US
[71] VIEW, INC., US
[85] 2018-01-04
[86] 2016-07-07 (PCT/US2016/041344)
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[25] EN
[54] **INTERRUPTER DEVICE FOR INTERRUPTING A DIRECT CURRENT**
[54] **DISPOSITIF DE COUPURE POUR L'INTERRUPTION D'UN COURANT CONTINU**
[72] KOPF, HENDRIK-CHRISTIAN, DE
[72] WILKENING, ERNST-DIETER, DE
[71] ELLENBERGER & POENSGEN GMBH, DE
[85] 2018-01-05
[86] 2016-06-09 (PCT/EP2016/063156)
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[51] **Int.Cl. A01K 5/02 (2006.01)**
[25] EN
[54] **AUTOMATIC FEEDING SYSTEM FOR PREPARING AT LEAST ONE FEED RATION FOR RUMINANT ANIMALS FROM A PLURALITY OF FEED TYPES**
[54] **SYSTEME D'ALIMENTATION AUTOMATIQUE POUR LA PREPARATION D'AU MOINS UNE RATION ALIMENTAIRE POUR ANIMAUX RUMINANTS A PARTIR D'UNE PLURALITE DE TYPES D'ALIMENTS**
[72] VAN HOUTEN, MARIA JOHANNA ALEIDA, NL
[72] MEIJERS, SJORS, NL
[71] LELY PATENT N.V., NL
[85] 2018-01-05
[86] 2016-05-31 (PCT/NL2016/050389)
[87] (WO2017/018874)
[30] NL (2015143) 2015-07-10

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[51] **Int.Cl. G01N 21/77 (2006.01) B82Y 35/00 (2011.01)**
[25] EN
[54] **SIGNAL AMPLIFICATION IN SOLUTION-BASED PLASMONIC SPECIFIC-BINDING PARTNER ASSAYS**
[54] **AMPLIFICATION DE SIGNAL DANS DES DOSAGES PLASMONIQUES EN SOLUTION DE PARTENAIRE DE LIAISON SPECIFIQUE**
[72] FRISZ, JESSICA, US
[72] MEHRA, RAJESH K., US
[72] ARON, KENNETH P., US
[72] CHIANG, VINCENT, US
[71] ABAXIS, INC., US
[85] 2018-01-04
[86] 2016-08-04 (PCT/US2016/045606)
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[30] US (62/201,051) 2015-08-04

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[25] EN
[54] **OPTIMIZATION OF THE RADIATION DISTRIBUTION OF A RADIATION SOURCE**
[54] **OPTIMISATION DE LA DISTRIBUTION SPECTRALE D'UNE SOURCE DE RAYONNEMENT**
[72] GOLD, PETER, DE
[72] DIETTRICH, JORG, DE
[72] RUTH, CHRISTIAN, DE
[72] PEIL, MICHAEL, DE
[72] MEYER, STEFAN, DE
[72] BREGA, ENRICO, DE
[72] HOFMANN, MARKO, DE
[72] STRAUSS, JAN, DE
[71] HERAEUS NOBLELIGHT GMBH, DE
[85] 2018-01-05
[86] 2016-06-07 (PCT/EP2016/062835)
[87] (WO2017/005434)
[30] DE (10 2015 212 785.0) 2015-07-08

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[51] **Int.Cl. B01J 13/12 (2006.01) A01N 25/28 (2006.01) A61K 9/50 (2006.01) A61K 51/12 (2006.01) C11D 17/08 (2006.01)**
[25] EN
[54] **MICRO-OR NANOCAPSULES HAVING PHOTOCATALYTIC PROPERTIES FOR CONTROLLED RELEASE OF DIFFUSING AGENTS AND RESPECTIVE METHOD OF OBTAINMENT**
[54] **MICROCAPSULES OU NANOCAPSULES A PROPRIETES PHOTOCATALYTIQUES POUR LA LIBERATION CONTROLEE D'AGENTS DIFFUSEURS ET PROCEDE D'OBTENTION RESPECTIF**
[72] MACEDO TAVARES, CARLOS JOSE, PT
[72] GOUVEIA MARQUES, JULIANA FILIPA, PT
[71] UNIVERSIDADE DO MINHO, PT
[85] 2018-01-05
[86] 2016-07-05 (PCT/IB2016/054027)
[87] (WO2017/006247)
[30] PT (108665) 2015-07-05

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[51] **Int.Cl. A61B 5/11 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **JOINT POSITION SENSE FEEDBACK APPARATUS**
[54] **APPAREIL DE RETROACTION A DETECTION DE POSITION D'ARTICULATION**
[72] SIMSEK, DENIZ, TR
[72] UGURLU, OLGUN, TR
[72] SOYLU, ABDULLAH RUHI, TR
[71] ANADOLU UNIVERSITESI REKTORLUGU, TR
[85] 2018-01-05
[86] 2016-04-15 (PCT/TR2016/000054)
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[51] **Int.Cl. G01D 11/24 (2006.01) B60K 37/02 (2006.01)**
[25] EN
[54] **PRESSURE COMPENSATOR FOR METER HOUSING**
[54] **COMPENSATEUR DE PRESSION POUR BOITIER DE COMPTEUR**
[72] CHAMBERS, BENJAMIN T., US
[72] WOTTON, GEOFFREY, US
[72] LARSON, JUSTIN, US
[71] POLARIS INDUSTRIES INC., US
[85] 2018-01-05
[86] 2016-07-11 (PCT/US2016/041721)
[87] (WO2017/008070)
[30] US (62/190,433) 2015-07-09
[30] US (14/937,946) 2015-11-11

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[51] **Int.Cl. A61M 16/00 (2006.01) G16H 40/63 (2018.01)**
[25] FR
[54] **INTERFACE UTILISATEUR TACTILE DESTINEE A UN DISPOSITIF DE STIMULATION DE L'AIR TRACHEO-BRONCHIQUE**
[54] **TACTILE USER INTERFACE FOR A TRACHEOBRONCHIAL AIR STIMULATION DEVICE**
[72] LANTZ, JEAN-SEBASTIEN, FR
[72] MITHALAL, ADRIEN, FR
[71] LANTZ, JEAN-SEBASTIEN, FR
[71] MITHALAL, ADRIEN, FR
[85] 2018-01-08
[86] 2016-07-11 (PCT/EP2016/066454)
[87] (WO2017/009300)
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[51] **Int.Cl. F16G 15/06 (2006.01) B63B 21/60 (2006.01) B66C 1/26 (2006.01) F16B 45/02 (2006.01) F16G 15/04 (2006.01)**
[25] EN
[54] **QUICK RELEASE SHACKLE**
[54] **MANILLE A LIBERATION RAPIDE**
[72] PICKERSGILL, FRANK, GB
[71] DURHAM LIFTING LIMITED, GB
[85] 2018-01-08
[86] 2016-07-06 (PCT/GB2016/052035)
[87] (WO2017/006116)
[30] GB (1511923.3) 2015-07-06

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[51] **Int.Cl. A61N 1/18 (2006.01) A61N 1/04 (2006.01) A61N 2/00 (2006.01)**
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[54] **ELECTROSTIMULATION DEVICE**
[54] ***DISPOSITIF D'ELECTROSTIMULATION***
[72] DOSKOCIL, LUKAS, CZ
[72] VESELY, TOMAS, CZ
[71] TESLA MEDICAL, S.R.O., CZ
[85] 2018-01-08
[86] 2016-07-06 (PCT/CZ2016/000074)
[87] (WO2017/005227)
[30] CZ (PV 2015-467) 2015-07-06
[30] CZ (PV 2015-468) 2015-07-06

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[51] **Int.Cl. E02D 31/00 (2006.01)**
[25] EN
[54] **METHOD FOR SETTING UP A PROTECTIVE SEALING LAYER IN A LANDFILL BASIN FOR INDUSTRIAL AND MINING SLURRIES AND GEOTEXTILE PROTECTIVE TUBE MAT FOR CARRYING OUT THE METHOD**
[54] **PROCEDE DE MISE EN PLACE D'UNE COUCHE DE PROTECTION D'ETANCHEITE DANS UN BASSIN DE DECHARGE DE DECHETS BOUEUX INDUSTRIELS OU PROVENANT DU SECTEUR MINIER, ET NAPPE TUBULAIRE DE PROTECTION GEOTEXTILE PERMETTANT LA MISE EN □UVRE DU PROCEDE**
[72] WILKE, MARKUS, DE
[72] BREYTENBACH, MORNE, DE
[71] HUESKER SYNTHETIC GMBH, DE
[85] 2018-01-08
[86] 2016-07-20 (PCT/DE2016/100328)
[87] (WO2017/012612)
[30] DE (10 2015 111 761.4) 2015-07-20

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[51] **Int.Cl. B01J 20/08 (2006.01) B01D 15/00 (2006.01) B01D 53/68 (2006.01) B01J 20/02 (2006.01) B01J 20/04 (2006.01) B01J 20/28 (2006.01) B01J *20/30 (2006.01)***
[25] EN
[54] **CHEMICAL ABSORBENT COMPOSITION**
[54] **COMPOSITION ABSORBANT DES PRODUITS CHIMIQUES**
[72] DAVIS, DAVID JONATHAN, GB
[72] RAFFERTY, PAUL, GB
[72] VASS, ELAINE MARGARET, GB
[71] JOHNSON PATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2018-01-08
[86] 2016-07-12 (PCT/GB2016/052099)
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[51] **Int.Cl. B29C 64/153 (2017.01) B33Y 30/00 (2015.01) B33Y 50/02 (2015.01) B29C 64/393 (2017.01) B22F 3/105 (2006.01)**
[25] EN
[54] **ADDITIVE MANUFACTURING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE FABRICATION ADDITIVE**
[72] HALL, LIAM DAVID, GB
[71] RENISHAW PLC, GB
[85] 2018-01-08
[86] 2016-06-10 (PCT/GB2016/051720)
[87] (WO2016/198885)
[30] GB (1510220.5) 2015-06-11

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) G01D 5/14 (2006.01) G01R 33/02 (2006.01)**
[25] EN
[54] **DOSE CONTROL SYSTEM FOR *INJECTABLE-DRUG DELIVERY* DEVICES AND ASSOCIATED METHODS OF USE**
[54] **SYSTEME DE REGLAGE DES DOSES POUR DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS INJECTABLES ET METHODES D'UTILISATION ASSOCIEES**
[72] MARCOZ, ALAIN, FR
[72] JEZ, EMMANUEL, FR
[72] DIOGO, SYLVAIN, FR
[72] GOURBET, PATRICE, FR
[72] PEREIRA, ALEXANDRE, FR
[72] POLLARD, MATHIEU, FR
[72] GILLET, KEVIN, FR
[71] BIOCORP PRODUCTION S.A., FR
[85] 2018-01-08
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[51] **Int.Cl. A61M 5/315 (2006.01) G01D 5/14 (2006.01) G01R 33/02 (2006.01)**
[25] EN
[54] **DOSE CONTROL DEVICE FOR INJECTABLE-DRUG DELIVERY DEVICES**
[54] **DISPOSITIF DE REGULATION DE LA DOSE POUR DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT INJECTABLE.**
[72] MARCOZ, ALAIN, FR
[72] JEZ, EMMANUEL, FR
[72] DIOGO, SYLVAIN, FR
[72] GOURBET, PATRICE, FR
[72] PEREIRA, ALEXANDRE, FR
[72] POLLARD, MATHIEU, FR
[72] GILLET, KEVIN, FR
[71] BIOCORP PRODUCTION S.A., FR
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[86] 2015-07-21 (PCT/IB2015/001784)
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[25] EN
[54] **GENETICALLY MODIFIED ANTI-THIRD PARTY CENTRAL MEMORY T CELLS AND USE OF SAME IN IMMUNOTHERAPY**
[54] **LYMPHOCYTES T A MEMOIRE CENTRALE ANTI-TIERS GENETIQUEMENT MODIFIES ET LEUR UTILISATION EN IMMUNOTHERAPIE**
[72] REISNER, YAIR, IL
[72] OR-GEVA, NOGA, IL
[72] OPHIR, ERAN, IL
[72] EIDELSTEIN, YAKI, IL
[72] GIDRON BUDOVSKY, ROTEM, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2018-01-08
[86] 2016-07-14 (PCT/IL2016/050775)
[87] (WO2017/009853)
[30] US (62/193,207) 2015-07-16
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[51] **Int.Cl. G05B 23/02 (2006.01) G01M 11/00 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM FOR COLD CLIMATE**
[54] **SYSTEME DE SURVEILLANCE POUR CLIMAT FROID**
[72] JAASKELAINEN, MIKKO, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **POWER MANAGEMENT FOR ELECTROCHROMIC WINDOW NETWORKS**
[54] **GESTION D'ENERGIE POUR DES RESEAUX DE FENETRES ELECTRO-CHROMIQUES**
[72] VIGANO, JOSE, US
[72] BROWN, STEPHEN C., US
[72] SHRIVASTAVA, DHAIRYA, US
[71] VIEW, INC., US
[85] 2018-01-08
[86] 2016-07-06 (PCT/US2016/041176)
[87] (WO2017/007841)
[30] US (62/190,012) 2015-07-08
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[25] EN
[54] **COMPOSITIONS, METHODS, AND MEDICAL COMPOSITIONS FOR TREATMENT OF AND MAINTAINING THE HEALTH OF THE LIVER**
[54] **COMPOSITIONS, PROCEDES ET COMPOSITIONS MEDICALES POUR LE TRAITEMENT ET LA PRESERVATION DE LA SANTE DU FOIE**
[72] JIA, QI, US
[72] YIMAM, MESFIN, US
[72] JIAO, PING, US
[72] HONG, MEI FENG, US
[72] MOORE, BREANNA, US
[71] UNIGEN, INC., US
[85] 2018-01-08
[86] 2016-07-13 (PCT/US2016/042034)
[87] (WO2017/011523)
[30] US (62/192,727) 2015-07-15
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[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) G16H 50/50 (2018.01) A61B 5/02 (2006.01) A61B 5/026 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ESTIMATING HEMODYNAMIC FORCES ACTING ON PLAQUE AND MONITORING RISK**
[54] **SYSTEMES ET PROCEDES POUR L'ESTIMATION DE FORCES HEMODYNAMIQUES AGISSANT SUR UNE PLAQUE ET LA SURVEILLANCE DU RISQUE**
[72] KOO, BON-KWON, KR
[72] CHOI, GILWOO, US
[72] KIM, HYUN, JIN, US
[72] TAYLOR, CHARLES A., US
[71] HEARTFLOW, INC., US
[85] 2018-01-08
[86] 2016-07-13 (PCT/US2016/042093)
[87] (WO2017/011555)
[30] US (62/192,314) 2015-07-14
[30] US (15/199,305) 2016-06-30

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[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) A61B 5/026 (2006.01) A61B 6/03 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ASSESSING THE SEVERITY OF PLAQUE AND/OR STENOTIC LESIONS USING CONTRAST DISTRIBUTION PREDICTIONS AND MEASUREMENTS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'EVALUER LA GRAVITE DE PLAQUES ET/OU DE LESIONS STENOSEES AU MOYEN DE PREDICTIONS ET DE MESURES DE DISTRIBUTION DE CONTRASTE**
[72] TAYLOR, CHARLES A., US
[72] GRADY, LEO, US
[72] SANKARAN, SETHURAMAN, US
[72] SENGUPTA, SOUMA, US
[72] KIM, HYUN JIN, US
[72] XIAO, NAN, US
[71] HEARTFLOW, INC., US
[85] 2018-01-08
[86] 2016-07-14 (PCT/US2016/042325)
[87] (WO2017/015062)
[30] US (62/193,994) 2015-07-17

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[51] **Int.Cl. G07C 15/00 (2006.01) G06Q 20/20 (2012.01) G07B 1/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ENHANCED LOTTERY TICKET ACCOUNTING AND SALES WITH SMART BIN DISPENSERS AT A RETAIL ESTABLISHMENT**
[54] **PROCEDE ET SYSTEME PERMETTANT D'AMELIORER LA COMPTABILISATION ET LES VENTES DE BILLETS DE LOTERIE AVEC DES DISTRIBUTEURS A COMPARTIMENTS INTELLIGENTS AU NIVEAU D'UN ETABLISSEMENTDE VENTE AU DETAIL**
[72] BEHM, WILLIAM F., US
[72] GHIA, AJAY J., US
[72] MEJENBORG, STEN HALLUNDBAEK, US
[72] THOMPSON, MARK ANDREW, US
[71] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[85] 2018-01-09
[86] 2016-07-12 (PCT/IB2016/054155)
[87] (WO2017/013530)
[30] US (14/802,526) 2015-07-17

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[51] **Int.Cl. G07C 15/00 (2006.01) G06Q 20/20 (2012.01) G07B 1/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ENHANCED LOTTERY TICKET ACCOUNTING AND SALES AT A RETAIL ESTABLISHMENT LEVEL**
[54] **PROCEDE ET SYSTEME DE COMPTABILITE ET DE VENTE AMELIOREES DE TICKETS DE LOTERIE AU NIVEAU D'UN ETABLISSEMENT DE VENTE AU DETAIL**
[72] CHRISTENSEN, KENT, US
[72] BENNETT, JOSEPH W., III, US
[71] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[85] 2018-01-09
[86] 2016-07-12 (PCT/IB2016/054156)
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[30] US (14/802,279) 2015-07-17

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[51] **Int.Cl. G07F 7/08 (2006.01) G06Q 20/32 (2012.01) G06Q 20/34 (2012.01)**
[25] EN
[54] **ACTIVE PERIPHERAL DEVICE AND ELECTRONIC PAYMENT TERMINAL**
[54] **DISPOSITIF PERIPHERIQUE ACTIF ET TERMINAL DE PAIEMENT ELECTRONIQUE**
[72] ROTSAERT, CHRISTOPHER, FR
[71] ROAM DATA, INC., US
[85] 2018-01-09
[86] 2016-07-26 (PCT/IB2016/054465)
[87] (WO2017/009816)
[30] FR (15/56596) 2015-07-10

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[51] **Int.Cl. G02F 1/153 (2006.01) A01M 29/06 (2011.01) C03C 17/23 (2006.01)**
[25] EN
[54] **BIRD FRIENDLY ELECTROCHROMIC DEVICES**
[54] **DISPOSITIFS ELECTROCHROMIQUES SANS DANGER POUR LES OISEAUX**
[72] MATHEW, JOHN GORDON HALBERT, US
[72] ROZBICKI, ROBERT T., US
[71] VIEW, INC., US
[85] 2018-01-09
[86] 2016-07-07 (PCT/US2016/041348)
[87] (WO2017/011268)
[30] US (62/191,182) 2015-07-10
[30] US (62/238,609) 2015-10-07
[30] US (62/269,721) 2015-12-18

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[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 17/30 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ELECTRONIC DATA DISTRIBUTION**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION ELECTRONIQUE DE DONNEES**
[72] HUBBARD, DAVID, US
[72] MATACZYNSKI, CRAIG, US
[71] WHETHER OR KNOT LLC, US
[85] 2018-01-09
[86] 2016-07-08 (PCT/US2016/041583)
[87] (WO2017/011327)
[30] US (62/191,025) 2015-07-10
[30] US (62/191,017) 2015-07-10
[30] US (62/191,001) 2015-07-10
[30] US (62/191,030) 2015-07-10

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[51] **Int.Cl. H04W 4/48 (2018.01) H04W 12/06 (2009.01) H04W 84/20 (2009.01) H02J 50/80 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO TRANSFER OPERATIONS BETWEEN MOBILE AND PORTABLE DEVICES**
[54] **SYSTEMES ET PROCEDES DE TRANSFERT D'OPERATIONS ENTRE DES DISPOSITIFS MOBILES ET PORTABLES**
[72] MOHDI, INTAN MAZLINA MOHD, MY
[72] OO, WEI LUN, MY
[72] ISMAIL, MOHAMMAD ATHARI, MY
[72] LEE, WEI JIAN, MY
[72] YONG, JIA WEN, MW
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2018-01-09
[86] 2016-07-13 (PCT/US2016/042114)
[87] (WO2017/015029)
[30] US (14/807,650) 2015-07-23

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[13] A1
[51] **Int.Cl. E05D 3/18 (2006.01)**
[25] EN
[54] **HINGE AND CLADDING WITH A HINGE**
[54] **CHARNIERE ET REVETEMENT MUNI D'UNE CHARNIERE**
[72] KONRAD, WILFRIED, AT
[71] FACC AG, AT
[85] 2018-01-10
[86] 2016-09-05 (PCT/AT2016/060049)
[87] (WO2017/035553)
[30] AT (A 50755/2015) 2015-09-04

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[51] **Int.Cl. G02B 27/30 (2006.01)**
[25] EN
[54] **DUAL-DIRECTION COLLIMATOR**
[54] **COLLIMATEUR BIDIRECTIONNEL**
[72] FATTAL, DAVID A., US
[72] MA, MING, US
[72] LI, XUEJIAN, US
[71] LEIA INC., US
[85] 2018-01-09
[86] 2015-10-20 (PCT/US2015/056529)
[87] (WO2017/039725)
[30] US (62/214,978) 2015-09-05

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[13] A1
[51] **Int.Cl. H01L 23/538 (2006.01)**
[25] EN
[54] **INTEGRATED DEVICE PACKAGE COMPRISING BRIDGE IN LITHO-ETCHABLE LAYER**
[54] **BOITIER DE DISPOSITIF INTEGRE COMPORTANT UN PONT DANS UNE COUCHE POUVANT ETRE GRAVEE PAR LITHOGRAPHIE**
[72] GU, SHIQUN, US
[72] WE, HONG BOK, US
[72] LEE, JAE SIK, US
[72] KIM, DONG WOOK, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-01-09
[86] 2016-06-03 (PCT/US2016/035895)
[87] (WO2017/034641)
[30] US (14/832,363) 2015-08-21

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[51] **Int.Cl. B30B 5/04 (2006.01) A61F 13/511 (2006.01) A61F 13/513 (2006.01) B29D 29/00 (2006.01) D04H 3/07 (2012.01) D04H 3/14 (2012.01) D04H 3/16 (2006.01) D21F 1/00 (2006.01)**
[25] EN
[54] **FORMING BELT FOR SHAPED NONWOVEN**
[54] **COURROIE DE FORMATION POUR NONTISSE FORME**
[72] ASHRAF, ARMAN, US
[72] RASCH, DAVID MARK, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-01-09
[86] 2016-07-28 (PCT/US2016/044355)
[87] (WO2017/023657)
[30] US (62/199,562) 2015-07-31

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[13] A1
[51] **Int.Cl. B65D 53/06 (2006.01) B67D 1/08 (2006.01) F16J 15/06 (2006.01)**
[25] EN
[54] **MARKED KEG/CASK SEAL, AND METHOD FOR DETERMINING THE AGE OF A KEG/CASK SEAL**
[54] **JOINT DE FUT MARQUE ET PROCEDE PERMETTANT DE DETERMINER L'AGE D'UN JOINT DE FUT**
[72] STEINMETZ, HARALD, DE
[71] DSI GETRANKEARMATUREN GMBH, DE
[85] 2018-01-10
[86] 2016-07-13 (PCT/DE2016/100313)
[87] (WO2017/008787)
[30] DE (10 2015 111 376.7) 2015-07-14

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[13] A1
[51] **Int.Cl. B41J 3/407 (2006.01) B41J 11/00 (2006.01) B41J 11/06 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRETREATING AND PRINTING TEXTILE SURFACES**
[54] **DISPOSITIF ET PROCEDE DE PRETRAITEMENT ET D'IMPRESSION DE SURFACES TEXTILES**
[72] SCHIESTL, ANGELO, AT
[71] AEOON TECHNOLOGIES GMBH, AT
[85] 2018-01-10
[86] 2016-07-07 (PCT/EP2016/066061)
[87] (WO2017/012879)
[30] EP (15177439.5) 2015-07-20

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[13] A1
[51] **Int.Cl. B41J 3/407 (2006.01) B41J 11/06 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRINTING TEXTILE SURFACES**
[54] **DISPOSITIF ET PROCEDE POUR L'IMPRESSION DE SURFACES TEXTILES**
[72] SCHIESTL, ANGELO, AT
[71] AEOON TECHNOLOGIES GMBH, AT
[85] 2018-01-10
[86] 2016-07-20 (PCT/EP2016/067272)
[87] (WO2017/013166)
[30] EP (15177435.3) 2015-07-20

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[13] A1
[51] **Int.Cl. B29C 59/04 (2006.01) B42D 25/328 (2014.01) B42D 25/351 (2014.01) B42D 25/40 (2014.01) B29C 35/02 (2006.01) B29C 35/08 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR FORMING NON-DIFFRACTIVE LIGHT CONTROL STRUCTURES IN OR ON A SURFACE OF A POLYMER SUBSTRATE**
[54] **PROCEDES ET APPAREILS POUR FORMER DES STRUCTURES DE REGULATION DE LUMIERE NON DIFFRACTIVES DANS OU SUR UNE SURFACE D'UN SUBSTRAT POLYMERE**
[72] HOLMES, BRIAN WILLIAM, GB
[72] CORNES, IAN, GB
[72] O'MALLEY, JOHN, GB
[72] SUYAL, NAVIN, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2018-01-10
[86] 2016-07-11 (PCT/GB2016/052090)
[87] (WO2017/009625)
[30] GB (1512122.1) 2015-07-10

[21] **2,992,007**
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[51] **Int.Cl. B29C 44/12 (2006.01) B29C 44/34 (2006.01) B29C 44/58 (2006.01) B29C 35/16 (2006.01) B32B 5/20 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A SANDWICH PANEL**
[54] **PROCEDE DE FABRICATION DE PANNEAU SANDWICH**
[72] DE GROOT, MARTIN THEODOOR, NL
[71] FITS HOLDING B.V., NL
[85] 2018-01-10
[86] 2016-07-07 (PCT/NL2016/050488)
[87] (WO2017/010871)
[30] NL (2015138) 2015-07-10

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[13] A1
[51] **Int.Cl. B29C 44/12 (2006.01) B29C 33/38 (2006.01) B29C 44/34 (2006.01) B29C 44/58 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A SANDWICH PANEL HAVING AN ASYMMETRICAL CONFIGURATION IN THICKNESS DIRECTION**
[54] **PROCEDE DE FABRICATION D'UN PANNEAU SANDWICH AYANT UNE CONFIGURATION ASYMETRIQUE DANS LE SENS DE L'EPAISSEUR**
[72] DE GROOT, MARTIN THEODOOR, NL
[71] FITS HOLDING B.V., NL
[85] 2018-01-10
[86] 2016-07-07 (PCT/NL2016/050489)
[87] (WO2017/010872)
[30] NL (2015137) 2015-07-10

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[13] A1
[51] **Int.Cl. B01D 69/12 (2006.01) B01D 53/22 (2006.01) B01D 67/00 (2006.01) B01D 71/44 (2006.01) B01D 71/60 (2006.01)**
[25] EN
[54] **COMPOSITE MEMBRANE AND METHOD OF FABRICATING THE SAME**
[54] **MEMBRANE COMPOSITE ET SON PROCEDE DE FABRICATION**
[72] SIVANIAH, EASAN, JP
[72] GHALEI, BEHNAM, JP
[72] YUE, YOUFENG, JP
[71] CO2 M-TECH CO., LTD., JP
[71] KYOTO UNIVERSITY, JP
[85] 2018-01-10
[86] 2016-07-12 (PCT/JP2016/003306)
[87] (WO2017/010096)
[30] JP (2015-139963) 2015-07-13

[21] **2,992,029**
[13] A1
[51] **Int.Cl. G01K 13/02 (2006.01) F24D 19/10 (2006.01)**
[25] EN
[54] **METHOD FOR MEASURING TEMPERATURE AT EACH LOCATION OF PIPE IN HOT WATER SUPPLY SYSTEM**
[54] **PROCEDE DE MESURE DE TEMPERATURE A CHAQUE EMPLACEMENT D'UN TUYAU DANS UN SYSTEME D'ALIMENTATION EN EAU CHAUDE**
[72] SON, SEUNG KIL, KR
[72] KIM, SI HWAN, KR
[72] HEO, CHANG HEOI, KR
[72] KIM, JUNG KEOM, KR
[72] LEE, YOU BIN, KR
[71] KYUNGDONG NAVIEN CO., LTD., KR
[85] 2018-01-08
[86] 2016-08-04 (PCT/KR2016/008585)
[87] (WO2017/026737)
[30] KR (10-2015-0112920) 2015-08-11

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[13] A1
[51] **Int.Cl. G06N 3/04 (2006.01)**
[25] FR
[54] **DATA-PROCESSING DEVICE WITH REPRESENTATION OF VALUES BY TIME INTERVALS BETWEEN EVENTS**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES AVEC REPRESENTATION DE VALEURS PAR DES INTERVALLES DE TEMPS ENTRE EVENEMENTS**
[72] BENOSMAN, RYAD, FR
[72] LAGORCE, XAVIER, FR
[71] UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6), FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2018-01-09
[86] 2016-07-06 (PCT/FR2016/051717)
[87] (WO2017/009543)
[30] FR (15 56659) 2015-07-13

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[13] A1
[51] **Int.Cl. G06K 7/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROVIDING A GRAPHIC REPRESENTATION OR GRAPHIC REPRESENTATION SEQUENCE FOR DETECTION BY A DETECTOR**
[54] **APPAREIL ET PROCEDE PERMETTANT DE FOURNIR UNE REPRESENTATION GRAPHIQUE OU UNE SEQUENCE DE REPRESENTATIONS GRAPHIQUES POUR UNE DETECTION PAR UN DETECTEUR**
[72] KIRSCH, MARTIN, DE
[71] PEPPERL+FUCHS GMBH, DE
[85] 2018-01-09
[86] 2015-09-15 (PCT/EP2015/071090)
[87] (WO2017/045705)

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[13] A1
[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ESTIMATING PRODUCTION OF AN ENERGY COMMODITY BY A SELECTED PRODUCER**
[54] **PROCEDE ET SYSTEME SERVANT A ESTIMER LA PRODUCTION D'UN PRODUIT ENERGETIQUE PAR UN PRODUCTEUR SELECTIONNE**
[72] COLLUM, RANDALL L., JR., US
[72] SPALENKA, JOSEF, US
[72] ALPHENAAR, DEIRDRE, US
[71] GENSCAPE INTANGIBLE HOLDING, INC., US
[85] 2018-01-10
[86] 2016-07-15 (PCT/US2016/042404)
[87] (WO2017/015079)
[30] US (62/194,014) 2015-07-17

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[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) H04N 21/20 (2011.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING HAPTIC FEEDBACK AND INTERACTIVITY BASED ON USER HAPTIC SPACE (HAPSPACE)**
[54] **PROCEDE ET APPAREIL DE FOURNITURE DE RETROACTION ET D'INTERACTIVITE HAPTIQUES SUR LA BASE D'UN ESPACE HAPTIQUE D'UTILISATEUR (HAPSPACE)**
[72] GUILLOTEL, PHILIPPE, FR
[72] DANIEAU, FABIEN, FR
[72] FLEUREAU, JULIEN, FR
[72] DOYEN, DIDIER, FR
[71] THOMSON LICENSING, FR
[85] 2018-01-11
[86] 2016-07-07 (PCT/EP2016/066157)
[87] (WO2017/009181)
[30] EP (15306156.9) 2015-07-13

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[51] **Int.Cl. H05B 3/06 (2006.01) A47J 36/24 (2006.01) H05B 3/34 (2006.01) H05B 3/58 (2006.01)**
[25] EN
[54] **DISPOSABLE CUP FOR HEATING FOOD PRODUCTS**
[54] **GOBELET JETABLE POUR RECHAUFFER DES PRODUITS ALIMENTAIRES**
[72] SOPPELSA, YVES, SG
[72] SALAM, BUDIMAN, SG
[72] WAI, LAI LAI, SG
[71] NESTEC S.A., CH
[85] 2018-01-11
[86] 2016-05-09 (PCT/EP2016/060271)
[87] (WO2017/008932)
[30] EP (15177001.3) 2015-07-16

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[13] A1
[51] **Int.Cl. H01L 33/08 (2010.01) H01L 33/16 (2010.01) H01L 33/24 (2010.01)**
[25] EN
[54] **NANOWIRES/NANOPYRAMIDS SHAPED LIGHT EMITTING DIODES AND PHOTODETECTORS**
[54] **DIODES ELECTROLUMINESCENTES ET PHOTODETECTEURS EN FORME DE NANOFILS/NANOPYRAMIDES**
[72] DHEERAJ, DASA L., NO
[72] KIM, DONG CHUL, NO
[72] FIMLAND, BJORN OVE M., NO
[72] WEMAN, HELGE, CH
[71] CRAYONANO AS, NO
[71] NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), NO
[85] 2018-01-11
[86] 2016-07-13 (PCT/EP2016/066694)
[87] (WO2017/009394)
[30] GB (1512231.0) 2015-07-13
[30] GB (1600164.6) 2016-01-05

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[13] A1
[51] **Int.Cl. H01L 33/08 (2010.01) H01L 33/18 (2010.01) H01L 33/24 (2010.01) H01L 33/44 (2010.01)**
[25] EN
[54] **NANOWIRES OR NANOPYRAMIDS GROWN ON GRAPHITIC SUBSTRATE**
[54] **NANOFILS OU NANOPYRAMIDES CULTIVES SUR UN SUBSTRAT GRAPHITIQUE**
[72] KIM, DONG CHUL, NO
[72] HOIAAS, IDA MARIE E, NO
[72] HEIMDAL, CARL PHILIP J., NO
[72] FIMLAND, BJORN OVE M., NO
[72] WEMAN, HELGE, CH
[71] CRAYONANO AS, NO
[71] NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), NO
[85] 2018-01-11
[86] 2016-07-13 (PCT/EP2016/066696)
[87] (WO2017/009395)
[30] GB (1512230.2) 2015-07-13
[30] GB (1600150.5) 2016-01-05

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[13] A1
[51] **Int.Cl. F15B 15/08 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **A SYSTEM FOR PROVIDING A PRESSURIZED FLUID ON AND/OR IN A ROTATING PART OF THE SYSTEM**
[54] **SYSTEME DE FOURNITURE D'UN FLUIDE SOUS PRESSION SUR ET/OU DANS UNE PARTIE ROTATIVE DU SYSTEME**
[72] SJKAERSETH, ODD B., NO
[72] EILERTSEN, BJORN, NO
[71] WEST DRILLING PRODUCTS AS, NO
[85] 2018-01-11
[86] 2016-06-10 (PCT/IB2016/053436)
[87] (WO2016/199088)
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[54] **ABSORBEUR DE COUPLE POUR ABSORBER UN COUPLE ET UN APPAREIL COMPRENANT UN TEL ABSORBEUR DE COUPLE**
[72] SKJAERSETH, ODD B., NO
[72] EILERTSEN, BJORN, NO
[71] WEST DRILLING PRODUCTS AS, NO
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[54] **MODULABLE SPORTS WHEELCHAIR**
[54] **FAUTEUIL ROULANT DE SPORT MODULABLE**
[72] FONTANESI, SIMONE, IT
[72] BOMBARDIERI, MICHELE, IT
[72] POLETTI, MARIO, IT
[71] UNIVERSITA' DEGLI STUDI DI BERGAMO, IT
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[25] EN
[54] **SWITCHED POWER CONTROL CIRCUITS FOR CONTROLLING THE RATE OF PROVIDING VOLTAGES TO POWERED CIRCUITS, AND RELATED SYSTEMS AND METHODS**
[54] **CIRCUITS DE COMMANDE A COMMUTATION DE PUISSANCE POUR COMMANDER LA VITESSE DE FOURNITURE DE TENSIONS A DES CIRCUITS ALIMENTES EN PUISSANCE, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] PRICE, BURT LEE, US
[72] KOLLA, YESHWANT NAGARAJ, US
[72] SHAH, DHAVAL RAJESHBHAI, US
[71] QUALCOMM INCORPORATED, US
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[25] EN
[54] **A SYSTEM AND METHOD TO TRACK TIME & ATTENDANCE OF AN INDIVIDUAL AT A WORKPLACE**
[54] **SYSTEME ET PROCEDE DE SUIVI D'HORAIRES ET D'ASSIDUITE D'UN INDIVIDU SUR UN LIEU DE TRAVAIL**
[72] DAUTE, CHRISTOPHER, US
[72] TALLON, JONATHAN, US
[72] BARES, JILL, US
[72] BODDEN, GREGORY, US
[72] GAGLIARDI, EMANUEL, US
[71] API HEALTHCARE CORPORATION, US
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[54] **APPAREIL DE MESURE D'UNE FORCE PAR ELECTRICITE**
[72] KLEMM, JAN, DE
[71] KLEMM, JAN, DE
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[54] **COMPOSITION D'ENROBAGE POUR LE STOCKAGE OU LE CONFINEMENT DE DECHETS TOXIQUES POUR LA SANTE ET/OU L'ENVIRONNEMENT**
[72] DHERSIN, CHRISTINE, FR
[71] POLYNT COMPOSITES FRANCE, FR
[85] 2018-01-12
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[25] EN
[54] **SYSTEM AND METHOD FOR OPERANT LEARNING BRAIN MACHINE INTERFACE**
[54] **SYSTEME ET PROCEDE POUR INTERFACE CERVEAU-MACHINE D'APPRENTISSAGE OPERANTE**
[72] LOUREIRO, NUNO, PT
[72] B. PAIXAO, VITOR, PT
[72] M.COSTA, RUI, PT
[72] SANTOS, FERNANDO, PT
[71] FUNDACAO D. ANNA SOMMER CHAMPALIMAUD E DR. CARLOS MONTEZ CHAMPALIMAUD, PT
[85] 2018-01-12
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[54] **MODELE DENTAIRE SOUPLE**
[72] LEE, SUE S., US
[71] LEE, SUE S., US
[85] 2018-01-12
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[54] **COUNTER ELECTRODE FOR ELECTROCHROMIC DEVICES**
[54] **CONTRE-ELECTRODE POUR DISPOSITIFS ELECTROCHROMIQUES**
[72] GILLASPIE, DANE, US
[72] KAILASAM, SRIDHAR K., US
[72] ROZBICKI, ROBERT T., US
[71] VIEW, INC., US
[85] 2018-01-12
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[25] EN
[54] **SYSTEM AND METHOD FOR OPERANT LEARNING BRAIN MACHINE INTERFACE**
[54] **SYSTEME ET PROCEDE POUR UNE INTERFACE CERVEAU-MACHINE A APPRENTISSAGE OPERATIONNEL**
[72] LOUREIRO, NUNO, PT
[72] PAIXAO, VITOR B., PT
[72] COSTA, RUI M., PT
[72] SANTOS, FERNANDO, PT
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[54] **CLEANING PRODUCT**
[54] **PRODUIT NETTOYANT**
[72] BOERS, WESLEY YVONNE PIETER, BE
[72] VANCAMPENHOUT, PETER, BE
[72] GONZALES, DENIS ALFRED, BE
[72] DKIDAK, AICHA, BE
[72] BETTIOL, JEAN-LUC PHILIPPE, BE
[71] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **CONTAINER END CLOSURE WITH OPTIONAL SECONDARY VENT OPENING**
[54] **FERMETURE TERMINALE DE RECIPIENT AVEC OUVERTURE D'EVACUATION SECONDAIRE FACULTATIVE**
[72] CHASTEEN, HOWARD C., US
[72] JACOBER, MARK A., US
[71] BALL CORPORATION, US
[85] 2018-01-12
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[25] EN
[54] **CHEMO-THERMO-PIEZORESISTIVE HIGHLY SENSING SMART CEMENT WITH INTEGRATED REAL-TIME MONITORING SYSTEM**
[54] **CIMENT INTELLIGENT A DETECTION CHIMIO-THERMO-PIEZORESISTIVE ELEVEE AVEC SYSTEME INTEGRE DE SURVEILLANCE EN TEMPS REEL**
[72] VIPULANANDAN, CUMARASWAMY, US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
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[51] **Int.Cl. A63B 24/00 (2006.01)**
[25] EN
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[54] **SYSTEME DE COLLECTE DE DONNEES D'EXERCICE**
[72] TODD, ERIC, US
[71] BML PRODUCTIONS, INC., US
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[51] **Int.Cl. G06Q 20/40 (2012.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF MANAGING DATA INJECTION INTO AN EXECUTING DATA PROCESSING SYSTEM**
[54] **SYSTEME ET PROCEDE DE GESTION D'INJECTION DE DONNEES DANS UN SYSTEME DE TRAITEMENT DE DONNEES D'EXECUTION**
[72] KNOBLAUCH, BRADLEY JOHN, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **ANALYTICS RULES ENGINE FOR PAYMENT PROCESSING SYSTEM**
[54] **MOTEUR DE REGLES D'ANALYSE POUR SYSTEME DE TRAITEMENT DE PAIEMENT**
[72] SAUNDERS, GREG, US
[72] GERBER, THEUNIS JOHANNES, US
[72] WIESMAN, MARK, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **HIGH PERFORMANCE LIGNIN-ACRYLONITRILE POLYMER BLEND MATERIALS**
[54] **MATERIAUX MELANGES DE POLYMERES DE LIGNINE-ACRYLONITRILE A PERFORMANCE ELEVEE**
[72] NASKAR, AMIT K, US
[72] TRAN, CHAU D., US
[71] UT-BATTELLE, LLC, US
[85] 2018-01-12
[86] 2016-07-13 (PCT/US2016/041984)
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[51] **Int.Cl. C12N 15/10 (2006.01) C07H 1/06 (2006.01) C07H 21/02 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **PURIFICATION OF NUCLEIC ACIDS USING COPPER-TITANIUM OXIDES**
[54] **PURIFICATION D'ACIDES NUCLEIQUES A L'AIDE D'OXYDES DE TITANE-CUIVRE**
[72] GUNDLING, GERARD J., US
[71] ABBOTT MOLECULAR INC., US
[85] 2018-01-12
[86] 2016-07-13 (PCT/US2016/042065)
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[30] US (62/192,444) 2015-07-14

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[51] **Int.Cl. B01L 3/00 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE INSTRUMENT**
[54] **INSTRUMENT POUVANT ETRE PERSONNALISE**
[72] VAN CLEVE, MARK DAVID, US
[72] TAINE, ELAINE GRACE, US
[72] ORTEGA, STEPHANIE TUVI, US
[72] CANFIELD, DOUGLAS JOHN, US
[72] REID, TAYLOR ADDISON, US
[72] CHO, EUNBYUL, US
[72] ARGUETA, JOCELYN LINDARI, US
[71] HYCOR BIOMEDICAL, LLC, US
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[51] **Int.Cl. B63B 35/44 (2006.01) B63B 15/00 (2006.01) B63B 43/06 (2006.01) E21B 7/12 (2006.01) E21B 15/02 (2006.01)**
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[54] **FLOATING STRUCTURE**
[54] **STRUCTURE FLOTTANTE**
[72] VU, VAN VAN, US
[71] ENSCO INTERNATIONAL INCORPORATED, US
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[25] EN
[54] **REDUCED STACK VOLTAGE CIRCUITRY FOR ENERGY STORAGE SYSTEM DIAGNOSTICS**
[54] **CIRCUIT A TENSION D'EMPILEMENT REDUITE POUR LE DIAGNOSTIC D'UN SYSTEME D'ACCUMULATION D'ENERGIE**
[72] DEVAAL, JACOB W., CA
[72] HOMAYOUNI, HOOMAN, CA
[72] GOLNARAGHI, FARID, CA
[71] BALLARD POWER SYSTEMS INC., CA
[71] SIMON FRASER UNIVERSITY, CA
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[51] **Int.Cl. G06Q 20/10 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FACILITATING A SECURE TRANSACTION AT A NON-FINANCIAL INSTITUTION SYSTEM**
[54] **SYSTEMES ET PROCEDES POUR FACILITER UNE TRANSACTION SECURISEE DANS UN SYSTEME D'UNE INSTITUTION NON FINANCIERE**
[72] GILLIAM, CLINTON, III, US
[72] LOWRY, MELISSA, US
[72] KENNEDY, MICHAEL JOSEPH, US
[72] LILICHENKO, SERGEI, US
[71] CLEARXCHANGE, LLC, US
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[51] **Int.Cl. G01S 15/06 (2006.01) G01S 15/88 (2006.01)**
[25] EN
[54] **DETECTING THE LOCATION OF A PHONE USING RF WIRELESS AND ULTRASONIC SIGNALS**
[54] **DETECTION DE L'EMPLACEMENT D'UN TELEPHONE A L'AIDE DE SIGNAUX ULTRASONORES ET SANS FIL RF**
[72] HANNON, MARWAN, US
[72] QU, PETER QIANG, US
[72] ALLISON, JAMES W., US
[72] CESANE, CRISTIAN, RO
[71] DRIVING MANAGEMENT SYSTEMS, INC., US
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[51] **Int.Cl. B01D 33/00 (2006.01)**
[25] EN
[54] **A ROTARY DRUM FILTERING APPARATUS**
[54] **APPAREIL DE FILTRAGE A TAMBOUR ROTATIF**
[72] MERCHEL, FRANK, US
[72] TARDIE, MICHAEL, US
[72] SHORT, ROBERT, US
[71] MERCHEL, FRANK, US
[71] TARDIE, MICHAEL, US
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[51] **Int.Cl. H01S 5/40 (2006.01) G02B 6/04 (2006.01) H01S 3/067 (2006.01)**
[25] EN
[54] **APPLICATIONS, METHODS AND SYSTEMS FOR A LASER DELIVER ADDRESSABLE ARRAY**
[54] **APPLICATIONS, PROCEDES ET SYSTEMES POUR UN RESEAU ADRESSABLE DE DISTRIBUTION LASER**
[72] ZEDIKER, MARK, US
[72] SILVA SA, MATTHEW, US
[72] PELAPRAT, JEAN MICHEL, US
[72] HILL, DAVID, US
[72] FINUF, MATHEW, US
[71] NUBURU, INC., US
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[25] EN
[54] **MEDICATION IDENTIFICATION, TRACKING, AND ADHERENCE MANAGEMENT**
[54] **IDENTIFICATION DE MEDICAMENT, SUIVI ET GESTION DE L'OBSERVANCE**
[72] JAIN, YOGENDRA K., US
[72] DUCEY, PAUL, US
[72] IKA, RAVI V, US
[72] TATI, ANAND M, US
[72] GOPALADASU, SRINIVAS VENKATA NAGA, US
[72] TALLABATTULA, PRAKASH SURYA, US
[71] RXADVANCE CORPORATION, US
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[54] **ENSEMBLE DE DENEIGEMENT ET DISPOSITIFS ASSOCIES**
[72] TALOU, PIERRE, FR
[72] RAY, CHRISTOPHE, FR
[72] BAESA, RENAUD, FR
[72] MONDESIR, PATRICK, FR
[72] D'AGOSTINI, RAPHAEL, FR
[71] PIM, FR
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[25] FR
[54] **BOLT WITH RESTRAINED UNSCREWING**
[54] **BOULON A DEVISSAGE FREINE**
[72] RODRIGUES DE OLIVEIRA, CARLOS, FR
[71] RDO ALPHA, FR
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[54] **TISSU DISSECABLE SIMULE**
[72] HOFSTETTER, GREGORY K., US
[72] BLACK, KATIE, US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
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[25] EN
[54] **ANNULAR STATOR, GENERATOR AND WIND TURBINE EQUIPPED THEREWITH**
[54] **ANNEAU STATORIQUE, GENERATEUR ET EOLIENNE EQUIPEE**
[72] BRENNER, ALBRECHT, DE
[72] KNOOP, FRANK, DE
[72] ZIEMS, JAN CARSTEN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2018-01-16
[86] 2016-06-21 (PCT/EP2016/064290)
[87] (WO2017/012810)
[30] DE (10 2015 213 514.4) 2015-07-17

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[25] EN
[54] **METHOD AND APPARATUS FOR IDENTIFYING FLUIDS BEHIND CASING**
[54] **PROCEDE ET APPAREIL POUR L'IDENTIFICATION DE FLUIDES DERRIERE UN TUBAGE**
[72] RAVI, KRISHNA M., US
[72] GAO, LI, US
[72] STOKELY, CHRISTOPHER LEE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-01-16
[86] 2015-08-26 (PCT/US2015/046877)
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[51] **Int.Cl. F16B 33/02 (2006.01) F16B 39/30 (2006.01)**
[25] EN
[54] **THREADED FASTENER**
[54] **ELEMENT DE FIXATION FILETE**
[72] PHUA, CHENG SIONG, SG
[72] KOTHANDARAMAN, SENTHIL KUMARAN, IN
[71] INFASTECH INTELLECTUAL PROPERTIES PTE LTD, SG
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[51] **Int.Cl. H02K 29/08 (2006.01) H02K 11/215 (2016.01) H02K 1/27 (2006.01) H02K 11/33 (2016.01) H02K 21/22 (2006.01)**
[25] EN
[54] **ENCODERLESS MOTOR WITH IMPROVED GRANULARITY AND METHODS OF USE**
[54] **MOTEUR SANS CODEUR PRESENTANT UNE MEILLEURE GRANULARITE ET PROCEDES D'UTILISATION**
[72] PHAN, TIEN, US
[72] DORITY, DOUG, US
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[54] **IDENTIFICATION DE PEPTIDES IMMUNOGENES DE CLASSE II DU COMPLEXE MAJEUR D'HISTOCOMPATIBILITE POUR UNE IMMUNOTHERAPIE**
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[54] **PROCEDE DE FABRICATION D'ENSEMBLE REACTEUR CATALYTIQUE A TUBES CONCENTRIQUES**
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[54] **COMPOSITIONS CONSOMMABLES PAR LES ABEILLES, PROCEDES D'UTILISATION DE CES COMPOSITIONS POUR LA PRODUCTION DE MIEL, ET MIEL PRODUIT PAR CES PROCEDES**
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[54] **EXERCISE APPARATUS HAVING A STATIONARY INNER PLATFORM AND AN OUTER ANNULAR MEMBER ROTATABLY CONNECTED THERETO**
[54] **APPAREIL D'EXERCICE POSSEDANT UNE PLATE-FORME INTERNE FIXE ET UN ELEMENT ANNULAIRE EXTERNE RELIE DE MANIERE ROTATIVE A CELLE-CI**
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[71] MY TURN HEALTH AND FITNESS LIMITED, CA
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[54] **METHOD AND APPARATUS FOR MANAGING UTILIZATION OF WIRELESS RESOURCES**
[54] **PROCEDE ET APPAREIL POUR GERER L'UTILISATION DE RESSOURCES SANS FIL**
[72] GERSZBERG, IRWIN, US
[71] AT&T INTELLECTUAL PROPERTY I, LP, US
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[54] **METHOD, SYSTEM, AND APPARATUS FOR ALTERING ELECTRONIC CERTIFICATES AND PROCESSING**
[54] **METHODE, SYSTEME ET APPAREIL DE MODIFICATION DE CERTIFICATS ELECTRONIQUES ET TRAITEMENT**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
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[54] **METHOD AND SERVER FOR REJECTING ELECTRONIC CERTIFICATE**
[54] **PROCEDE ET SERVEUR PERMETTANT DE REJETER UN CERTIFICAT ELECTRONIQUE**
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[54] **METHOD FOR MODIFYING ELECTRONIC CERTIFICATE AND ELECTRONIC PAYMENT SYSTEM**
[54] **PROCEDE DE MODIFICATION DE CERTIFICAT ELECTRONIQUE ET SYSTEME DE PAIEMENT ELECTRONIQUE**
[72] ZHANG, YI, CN
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[54] **RECEPTEUR DE PIXEL A ANNULATION DE CAPACITE DESTINE A UN APPAREIL D'IMAGERIE ULTRASONORE**
[72] MATHE, LENNART KARL-AXEL, US
[72] WADHWA, SAMEER, US
[72] XIA, LINGLI, US
[71] QUALCOMM INCORPORATED, US
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[54] **METHOD AND APPARATUS FOR USE WITH A RADIO DISTRIBUTED ANTENNA SYSTEM HAVING AN ULTRA-WIDEBAND CONTROL CHANNEL**
[54] **PROCEDE ET APPAREIL DEVANT ETRE UTILISES AVEC UN SYSTEME D'ANTENNES RADIO DISTRIBUE AYANT UN CANAL DE COMMANDE A ULTRA LARGE BANDE**
[72] GERSZBERG, IRWIN, US
[72] KAFKA, HENRY, US
[72] HENRY, PAUL SHALA, US
[72] BENNETT, ROBERT, US
[72] BARZEGAR, FARHAD, US
[72] BARNICKEL, DONALD J., US
[72] WILLIS III, THOMAS M., US
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[54] **ELECTRONIC CERTIFICATE ISSUING METHOD, AND DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE D'EMISSION DE CERTIFICAT ELECTRONIQUE, AINSI QUE PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
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[25] EN
[54] **METHOD, DEVICE, AND SYSTEM FOR RECEIVING CERTIFICATE**
[54] **PROCEDE, DISPOSITIF ET SYSTEME POUR RECEVOIR UN CERTIFICAT**
[72] ZHANG, YI, CN
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[54] **MYCOPLASMA VACCINES AND USES THEREOF**
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[72] GERDTS, VOLKER, CA
[72] WANG, YEJUN, CA
[72] WESONGA, HEZRON, KE
[72] SOI, REUBEN, KE
[72] NAESSENS, JAN, KE
[72] JORES, JOERG, KE
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[71] UNIVERSITY OF SASKATCHEWAN, CA
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[72] EPARI, DEVAKARA, AU
[72] SCHUETZ, MICHAEL, AU
[72] POHLEMANN, TIM, DE
[72] NOTZLI, CHRISTOPH, CH
[71] AO TECHNOLOGY AG, CH
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[54] **INTERBANK CLEARING METHOD AND SYSTEM**
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[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
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[71] 10353744 CANADA LTD., CA
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[54] **ONLINE TRANSACTION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
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[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
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[54] **ONLINE TRANSACTION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
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[71] 10353744 CANADA LTD., CA
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[54] **ONLINE TRANSACTION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTIONS EN LIGNE**
[72] ZHANG, YI, CN
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[54] **CABINE DE CONDUITE POUR VEHICULES ET TABLEAU DE BORD**
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[54] **PROCEDE PERMETTANT LA FABRICATION D'UN ELEMENT DE CONSTRUCTION COMPOSITE**
[72] GARDINER, JAMES BRUCE, AU
[71] LAING O'ROURKE AUSTRALIA PTY LIMITED, AU
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[54] **FUSED RING PYRIMIDINE COMPOUND, INTERMEDIATE, AND PREPARATION METHOD, COMPOSITION AND USE THEREOF**
[54] **COMPOSE PYRIMIDINE A CYCLES CONDENSES, INTERMEDIAIRE, ET PROCEDE DE PREPARATION, COMPOSITION ET UTILISATION ASSOCIEE**
[72] XU, ZUSHENG, CN
[72] ZHANG, NONG, CN
[72] WANG, TINGHAN, CN
[72] SUN, QINGRUI, CN
[72] WANG, YUGUANG, CN
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[54] **DATA PROCESSING METHOD AND APPARATUS, AND POS MACHINE TRANSACTION SYSTEM**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE DONNEES ET SYSTEME DE TRANSACTION PAR MACHINE DE POINT DE VENTE**
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[71] TENDYRON CORPORATION, CN
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[54] **METHOD FOR FABRICATING AN OBJECT**
[54] **PROCEDE DE FABRICATION D'UN OBJET**
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[54] **FILM DIELECTRIQUE MULTICOUCHE A COPOLYMERE A BLOCS NANOSTRUCTURE**
[72] PANKAJ, SHIREESH, IN
[72] MAPKAR, JAVED ABDURRAZZAQ, US
[72] LI, CHAO, US
[72] RIGBY, STEPHEN J., US
[71] COOPER TECHNOLOGIES COMPANY, US
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[72] CAMPBELL, DOUGLAS, AU
[72] SOON, JULIE, AU
[71] MINOMIC INTERNATIONAL LTD., AU
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[54] **ELECTRONIC CERTIFICATE RECEIVING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE RECEPTION DE CERTIFICAT ELECTRONIQUE**
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[54] **METHOD OF SYSTEM FOR VIDEO CODING USING INTRA BLOCK COPY MODE**
[54] **PROCEDE ET SYSTEME POUR UN CODAGE VIDEO A L'AIDE D'UN MODE DE COPIE INTRA-BLOC**
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[72] XU, XIAOZHONG, US
[71] MEDIATEK INC., CN
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[54] **PROCEDE ET DISPOSITIF DE RECEPTION DE CERTIFICAT ELECTRONIQUE**
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[54] **METHOD, SYSTEM AND DEVICE FOR OPENING ELECTRONIC CERTIFICATE**
[54] **PROCEDE, SYSTEME ET DISPOSITIF D'OUVERTURE DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
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[54] **METHOD, DEVICE AND SYSTEM FOR OPENING ELECTRONIC CERTIFICATE**
[54] **PROCEDE, DISPOSITIF ET SYSTEME POUR OUVRIR UN CERTIFICAT ELECTRONIQUE**
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[54] **ONLINE TRANSACTION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
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[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
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[54] **COUVERCLE DE BOITE**
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[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
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[54] **PROCEDE DE COMMUNICATION ET DISPOSITIF DE COMMUNICATION**
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[72] LI, BINGZHAO, CN
[72] ZHANG, JIAN, CN
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[72] MIAO, JINHUA, CN
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[54] **EQUIPEMENT DE FORAGE ET PROCEDE DE PRODUCTION D'UN FORAGE A PARTIR D'UNE PLATE-FORME FLOTTANTE**
[72] SPREITZER, STEFAN, DE
[71] BAUER SPEZIALTIEFBAU GMBH, DE
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[54] **CONVERTISSEUR DE PUISSANCE A COMPENSATION DE CC POUVANT ETRE COMMANDEE**
[72] DILLEY, DEVIN, US
[72] SMITH, RYAN, US
[71] EPC POWER CORPORATION, US
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[54] **SURVEILLANCE CAMERA, SYSTEM HAVING A SURVEILLANCE CAMERA AND METHOD FOR OPERATING A SURVEILLANCE CAMERA**
[54] **CAMERA DE SURVEILLANCE, SYSTEME COMPRENANT UNE CAMERA DE SURVEILLANCE ET PROCEDE POUR FAIRE FONCTIONNER UNE CAMERA DE SURVEILLANCE**
[72] GLOCK, CHRISTIAN, DE
[71] INNOGY SE, DE
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[54] **FLAME RETARDANT POLYOLEFIN ARTICLES**
[54] **ARTICLES DE POLYOLEFINE ININFLAMMABLES**
[72] LIPS, GERARD, FR
[72] MUELLER, DANIEL, CH
[72] THOMPSON, THOMAS FRIEND, US
[72] ANDREWS, STEPHEN MARK, US
[71] BASF SE, DE
[85] 2018-01-19
[86] 2016-07-15 (PCT/EP2016/066941)
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[54] **COMBINATION COMPRISING PTEROSTILBENE FOR THE TREATMENT OF CANCER**
[54] **MELANGE COMPRENANT DU PTEROSTILBENE POUR LE TRAITEMENT DU CANCER**
[72] ESTRELA ARIGUEL, JOSE MARIA, ES
[72] BENLLOCH GARCIA, MARIA, ES
[72] PLA OBRADOR, MARIA ELENA, ES
[72] VALLES MARTIN, LILIAN SORAYA, ES
[72] RODRIGUEZ ROMERO, MARIA LUCIA, ES
[72] SIREROL TALENS, JOAN ANTONI, ES
[72] ALCACER GARCIA, JAVIER LUIS, ES
[72] PELLICER ARTES, JOSE ALFREDO, ES
[72] SALVADOR PALMER, ROSARIO, ES
[72] SAEZ TORMO, GUILLERMO MARIA, ES
[72] CERDA MICO, CONCEPCION, ES
[71] FUNDACION UNIVERSIDAD CATOLICA DE VALENCIA SAN VICENTE MARTIR, ES
[71] UNIVERSITAT DE VALENCIA - ESTUDI GENERAL, ES
[71] FUNDACIO INVESTIGACIO HOSPITAL GENERAL UNIVERSITARI DE VALENCIA PER A LA INVESTIGACIO BIOMEDICA I CIENCIES DE LA SALUT, ES
[71] IDCQ HOSPITALES Y SANIDAD, S.L.U., ES
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[25] EN
[54] **IMPROVED DISCONNECTOR AND SURGE ARRESTER INCLUDING SUCH DISCONNECTOR**
[54] **SECTIONNEUR PERFECTIONNE ET PARASURTENSEUR COMPRENANT UN TEL SECTIONNEUR**
[72] D'IPPOLITO, GIANFRANCO, IT
[72] PASSAVANTI, ANDREA, IT
[71] ZOTUP S.R.L., IT
[85] 2018-01-19
[86] 2016-07-19 (PCT/EP2016/067124)
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[25] EN
[54] **PROCESS AND APPARATUS FOR COOLING A GAS CONTAINING SO2 AND/OR SO3 AND WATER**
[54] **PROCEDE ET APPAREIL DE REFROIDISSEMENT D'UN GAZ CONTENANT DU SO2 ET/OU DU SO3 ET DE L'EAU**
[72] DAUM, KARL-HEINZ, DE
[72] STORCH, HANNES, DE
[72] NEUMANN, RALF, DE
[72] SCHALK, WOLFRAM, DE
[71] OUTOTEC (FINLAND) OY, FI
[85] 2018-01-19
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[25] EN
[54] **SMOKING ARTICLE**
[54] **ARTICLE A FUMER**
[72] ONO, HIROYOSHI, LU
[71] JT INTERNATIONAL SA, CH
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[25] EN
[54] **DEVICE AND METHOD FOR OPTICALLY ENCODING AN IMAGE**
[54] **DISPOSITIF ET PROCEDE DE CODAGE OPTIQUE D'UNE IMAGE**
[72] BOUCHON, PATRICK, FR
[72] JAECK, JULIEN, FR
[72] MAKHSIYAN, MATHILDE, FR
[72] HAIDAR, RIAD, FR
[71] OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, FR
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[25] EN
[54] **METHODS OF CHEMICAL SYNTHESIS OF SUBSTITUTED 10H-PHENOTHIAZINE-3,7-DIAMINE COMPOUNDS**
[54] **PROCEDES DE SYNTHESE CHIMIQUE DE COMPOSES SUBSTITUES DE 10H-PHENOTHIAZINE-3,7-DIAMINE**
[72] STOREY, JOHN MERVYN DAVID, GB
[72] LARCH, CHRISTOPHER PAUL, GB
[72] KEMP, STEVEN JOHN, GB
[72] CLUNAS, SCOTT, GB
[72] NICOLL, SARAH LOUISE, GB
[72] GIBBARD, HELEN SARAH, GB
[72] SIMPSON, MICHAEL, GB
[72] SINCLAIR, JAMES PETER, GB
[72] MARSHALL, COLIN, GB
[71] WISTA LABORATORIES LTD., SG
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[54] **ARRANGEMENT WITH A CONNECTOR FOR AT LEAST ONE ELECTRICAL CABLE**
[54] **AGENCEMENT A CONNECTEUR POUR AU MOINS UN CABLE ELECTRIQUE**
[72] STAUCH, GERT, DE
[72] GROTSCH, PETER, DE
[71] NEXANS, FR
[85] 2018-01-19
[86] 2016-07-07 (PCT/EP2016/066062)
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[25] FR
[54] **RECONFIGURABLE CAPACITIVE ENERGY STORAGE DEVICE, POWER SUPPLY SYSTEM AND ELECTRIC VEHICLE INCORPORATING SAID DEVICE**
[54] **DISPOSITIF RECONFIGURABLE DE STOCKAGE D'ENERGIE PAR EFFET CAPACITIF, SYSTEME D'ALIMENTATION ET VEHICULE ELECTRIQUE INTEGRANT CE DISPOSITIF**
[72] DEPOND, JEAN-MICHEL, FR
[71] BLUE SOLUTIONS, FR
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[54] **VEHICLE SUSPENSION ASSEMBLY**
[54] **ENSEMBLE SUSPENSION DE VEHICULE**
[72] DUFORD, JEREMIE, CA
[72] JACQUES, PASCAL, CA
[72] LAROCQUE, BRUNO, CA
[72] MAILHOT, PHILIPPE, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
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[25] EN
[54] **THERAPEUTIC COMBINATIONS OF ORALLY ADMINISTERED PACLITAXEL AND A P-GP INHIBITOR FOR THE TREATMENT OF CANCER**
[54] **COMBINAISONS THERAPEUTIQUES DE PACLITAXEL ET D'UN INHIBITEUR DE P-GP A USAGE ORAL POUR LE TRAITEMENT DU CANCER**
[72] KWAN, MIN-FUN, RUDOLF, US
[72] KRAMER, E., DOUGLAS, US
[72] FETTERLY, GERALK, J., US
[72] HUNG, CHEUNG-TAK, NZ
[72] JACKSON, CHRISTOPHER GLYN CHARLES, ALEXANDER, NZ
[72] GLUE, PAUL, WILLIAM, NZ
[71] ATHENEX THERAPEUTICS LIMITED, CN
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[25] EN
[54] **THERAPEUTIC OLIGONUCLEOTIDES**
[54] **OLIGONUCLEOTIDES THERAPEUTIQUES**
[72] D'ADDA DI FAGAGNA, FABRIZIO, IT
[72] ROSSIELLO, FRANCESCA, IT
[72] AGUADO, JULIO, IT
[72] JONES-WEINERT, COREY, IT
[71] IFOM - FONDAZIONE ISTITUTO FIRC DI ONCOLOGIA MOLECOLARE, IT
[85] 2018-01-19
[86] 2016-07-29 (PCT/EP2016/068162)
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[51] **Int.Cl. A61M 39/26 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **VALVE CONNECTOR FOR MEDICAL LINES**
[54] **RACCORD DE VALVE POUR TUYAUX MEDICAUX**
[72] GUALA, GIANNI, IT
[71] INDUSTRIE BORLA S.P.A., IT
[85] 2018-01-19
[86] 2016-08-04 (PCT/IB2016/054716)
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[25] EN
[54] **CARGO CYCLE WITH PASSENGER SEATS**
[54] **CYCLE DE CHARGEMENT COMPRENANT DES SIEGES POUR PASSAGER**
[72] BARAK, HAGAI, IL
[72] BARAK, AMIT, IL
[72] HEIMANN, MICHAEL, IL
[72] LAZAROVICH, ORON, IL
[71] TAGA BIKES LTD, IL
[85] 2018-01-19
[86] 2016-07-19 (PCT/IB2016/054279)
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[25] EN
[54] **CRYSTALLINE FORMS OF BILASTINE AND PREPARATION METHODS THEREOF**
[54] **FORMES CRISTALLINES DE LA BILASTINE ET PROCEDES POUR LEUR PREPARATION**
[72] DEL RIO PERICACHO, JOSE LUIS, ES
[72] PUIGJANER VALLET, MARIA CRISTINA, ES
[72] PROHENS LOPEZ, RAFAEL, ES
[72] ARREDONDO MARTINEZ, YOLANDA ESTHER, ES
[71] URQUIMA, S.A., ES
[71] DISPROQUIMA, S.A., ES
[85] 2018-01-19
[86] 2016-07-22 (PCT/ES2016/070560)
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[30] ES (P201531103) 2015-07-24

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[51] **Int.Cl. G08G 1/00 (2006.01)**
[25] EN
[54] **SCENE DETERMINATION DEVICE, TRAVEL ASSISTANCE APPARATUS, AND SCENE DETERMINATION METHOD**
[54] **DISPOSITIF D'EVALUATION DE SCENE, DISPOSITIF D'AIDE AU DEPLACEMENT ET PROCEDE D'EVALUATION DE SCENE**
[72] AOKI, MOTONOBU, JP
[72] NISHIRA, HIKARU, JP
[72] KUROTOBI, TOMOKO, JP
[72] FUJITA, SUSUMU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-19
[86] 2015-07-21 (PCT/JP2015/070744)
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[51] **Int.Cl. B26F 1/44 (2006.01) B26D 7/18 (2006.01) B26F 1/38 (2006.01)**
[25] EN
[54] **ROTARY CUTTING DIE HAVING INSERTS FOR SUPPORTING PRODUCT EJECTORS**
[54] **EMPORTE-PIECE ROTATIF AYANT DES INSERTS POUR SUPPORTER DES EJECTEURS DE PRODUIT**
[72] SMITHWICK, JAMES, JR., US
[71] CONTAINER GRAPHICS CORPORATION, US
[85] 2018-01-17
[86] 2016-07-27 (PCT/US2016/044156)
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[51] **Int.Cl. H04W 48/10 (2009.01) H04W 72/04 (2009.01) H04J 11/00 (2006.01)**
[25] EN
[54] **USER EQUIPMENT AND COMMUNICATION METHOD**
[54] **DISPOSITIF D'UTILISATEUR ET PROCEDE DE COMMUNICATION**
[72] TAKAHASHI, HIDEAKI, JP
[72] UMEDA, HIROMASA, JP
[72] TAKEDA, KAZUAKI, JP
[71] NTT DOCOMO, INC., JP
[85] 2018-01-19
[86] 2017-02-01 (PCT/JP2017/003559)
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[30] JP (2016-020331) 2016-02-04

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[25] EN
[54] **SCENE DETERMINATION DEVICE, TRAVEL ASSISTANCE APPRATUS, AND SCENE DETERMINATION METHOD**
[54] **DISPOSITIF D'EVALUATION DE SCENE, DISPOSITIF DE SUPPORT DE DEPLACEMENT ET PROCEDE D'EVALUATION DE SCENE**
[72] AOKI, MOTONOBU, JP
[72] KUROTOBI, TOMOKO, JP
[72] FUJIKI, NORIAKI, JP
[72] FUJITA, SUSUMU, JP
[72] NISHIRA, HIKARU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-19
[86] 2015-07-21 (PCT/JP2015/070745)
[87] (WO2017/013747)

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[51] **Int.Cl. B02C 18/06 (2006.01)**
[25] EN
[54] **MATERIAL PROCESSING MACHINES AND METHODS OF USE**
[54] **MACHINES DE TRAITEMENT DE MATERIAU ET PROCEDES D'UTILISATION**
[72] FANT, JAMES A., US
[72] JACKO, MICHAEL SCOT, US
[71] URSCHEL LABORATORIES, INC., US
[85] 2018-01-18
[86] 2016-07-22 (PCT/US2016/043456)
[87] (WO2017/015526)
[30] US (62/195,940) 2015-07-23
[30] US (15/216,003) 2016-07-21

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[25] EN
[54] **RESPIRATORY SYNCYTIAL VIRUS INHIBITORS**
[54] **INHIBITEURS DU VIRUS RESPIRATOIRE SYNCYTIAL**
[72] AYESA, SUSANA, SE
[72] ERSMARK, KAROLINA, SE
[72] KALAYANOV, GENNADIY, SE
[72] LEIJONMARCK, MARIE, SE
[72] SALVADOR ODEN, LOURDES, SE
[72] WESTERLIND, HANS, SE
[72] WAHLING, HORST, SE
[72] BYLUND, JOHAN, SE
[72] SEHGELMEBLE, FERNANDO, SE
[72] BERTRAND, MEGAN, SE
[72] BROCHU, CHRISTIAN, SE
[72] GHIRO, ELISE, SE
[72] KUHN, CYRILLE, SE
[72] STURINO, CLAUDIO, SE
[71] MEDIVIR AB, SE
[85] 2018-01-19
[86] 2016-07-28 (PCT/SE2016/050733)
[87] (WO2017/018924)
[30] SE (SE1551051-4) 2015-07-30
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[25] EN
[54] **A METHOD FOR PRODUCING LIGHT FATTY ACID ALKYL ESTER**
[54] **UNE METHODE DE PRODUCTION D'ESTER ALKYLIQUE D'ACIDE GRAS**
[72] LIU, HONGCHAO, CN
[72] ZHU, WENLIANG, CN
[72] NI, YOUMING, CN
[72] LIU, YONG, CN
[72] LIU, ZHONGMIN, CN
[72] WANG, LINYING, CN
[72] TIAN, PENG, CN
[71] DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES, CN
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[30] CN (201510426698.8) 2015-07-20

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[51] **Int.Cl. F04B 49/22 (2006.01) F04B 53/00 (2006.01) G01B 21/32 (2006.01) G01D 5/00 (2006.01) G01F 1/00 (2006.01)**
[25] EN
[54] **FLOW-RATE MONITORING SYSTEM FOR A PRESSURE PUMP**
[54] **SYSTEME DE SURVEILLANCE DE DEBIT POUR POMPE A PRESSION**
[72] BEISEL, JOSEPH A., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-01-19
[86] 2015-09-04 (PCT/US2015/048588)
[87] (WO2017/039692)

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[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR BUSINESSES TO COLLECT PERSONALITY INFORMATION FROM THEIR CUSTOMERS**
[54] **SYSTEME ET PROCEDE POUR LA COLLECTE PAR DES ENTREPRISES D'INFORMATIONS DE PERSONNALITE AUPRES DE LEURS CLIENTS**
[72] SPEARS, JOSHUA, US
[72] SINES, DANIEL, US
[72] WRIGHT, CARSON, US
[72] HONEYCUTT, NOREEN, US
[71] WOOFOUND, INC. D.B.A. TRAITIFY, US
[85] 2018-01-19
[86] 2015-07-17 (PCT/US2015/040853)
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[25] EN
[54] **PRESSURE PUMP VALVE MONITORING SYSTEM**
[54] **SYSTEME DE CONTROLE DE VANNE DE POMPE DE PRESSION**
[72] BEISEL, JOSEPH A., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-01-19
[86] 2015-09-04 (PCT/US2015/048610)
[87] (WO2017/039695)

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[13] A1
[51] **Int.Cl. G08G 1/00 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **DRIVE PLANNING DEVICE, TRAVEL ASSISTANCE APPARATUS, AND DRIVE PLANNING METHOD**
[54] **DISPOSITIF DE PLANIFICATION DE LA CONDUITE, APPAREIL D'AIDE AU DEPLACEMENT ET METHODE DE PLANIFICATION DE LA CONDUITE**
[72] FUJITA, SUSUMU, JP
[72] AOKI, MOTONOBU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-19
[86] 2015-07-21 (PCT/JP2015/070748)
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[51] **Int.Cl. D07B 3/10 (2006.01)**
[25] EN
[54] **AERODYNAMIC FLYER BOW**
[54] **BANC A BROCHES AERODYNAMIQUE**
[72] WATKINS, DAVID, US
[71] KEIR MANUFACTURING, INC., US
[85] 2018-01-19
[86] 2015-07-20 (PCT/US2015/041144)
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[30] US (62/027,190) 2014-07-21

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[51] **Int.Cl. C10B 53/02 (2006.01)**
[25] EN
[54] **CARBIDE PRODUCING METHOD AND CARBIDE PRODUCING DEVICE**
[54] **PROCEDE DE PRODUCTION DE CARBURE ET DISPOSITIF DE PRODUCTION DE CARBURE**
[72] ENDOU, YUUKI, JP
[72] ICHINOSE, TOMOKI, JP
[72] ISHIKAWA, KEIICHI, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENVIRONMENTAL & CHEMICAL ENGINEERING CO., LTD., JP
[85] 2018-01-19
[86] 2015-07-30 (PCT/JP2015/071643)
[87] (WO2017/017838)

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[51] **Int.Cl. H03G 3/00 (2006.01) H03G 3/20 (2006.01)**
[25] EN
[54] **PROGRAMMABLE GAIN AMPLIFIER WITH CONTROLLED GAIN STEPS**
[54] **AMPLIFICATEUR A GAIN PROGRAMMABLE A ECHELONS DE GAIN REGLABLES**
[72] JAYARAMAN, NANDA GOVIND, US
[72] GUPTA, TARUN, US
[71] MACOM CONNECTIVITY SOLUTIONS, LLC, US
[85] 2018-01-19
[86] 2015-07-29 (PCT/US2015/042587)
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[51] **Int.Cl. H04L 29/08 (2006.01) H04N 21/258 (2011.01) G06Q 10/10 (2012.01) H04L 12/58 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SCALABLE, REAL-TIME MESSAGING SYSTEM**
[54] **SYSTEME EVOLUTIF DE MESSAGERIE EN TEMPS REEL**
[72] WALKIN, LEV, US
[72] LINDER, FREDRIK ERIK, US
[71] SATORI WORLDWIDE, LLC, US
[85] 2018-01-19
[86] 2016-03-14 (PCT/US2016/022316)
[87] (WO2017/027070)
[30] US (14/821,482) 2015-08-07
[30] US (15/067,476) 2016-03-11

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[51] **Int.Cl. A61B 5/20 (2006.01) A61B 5/00 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR ESTIMATING BLADDER STATUS**
[54] **PROCEDES ET APPAREILS POUR L'ESTIMATION D'ETAT DE VESSIE**
[72] ANSELL, DARREN WILLIAM, GB
[72] SANDERS, CAROLINE, CA
[72] LEATHER, PETER, GB
[72] KURU, KAYA, GB
[72] AMINA, MAHDI, GB
[71] UNIVERSITY OF CENTRAL LANCASHIRE, GB
[85] 2018-01-19
[86] 2016-07-25 (PCT/GB2016/052271)
[87] (WO2017/017426)
[30] GB (1513208.7) 2015-07-27

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[51] **Int.Cl. H01B 11/02 (2006.01) H01B 13/016 (2006.01)**
[25] EN
[54] **DUPLEX TRANSMISSION OVER REDUCED PAIRS OF TWINAX CABLES**
[54] **TRANSMISSION EN DUPLEX SUR DES PAIRES REDUITES DE CABLES TWINAX**
[72] DABIRI, DARIUSH, US
[72] GUPTA, TARUN, US
[72] NAGAPUDI, VENKATESH, US
[71] MACOM CONNECTIVITY SOLUTIONS, LLC, US
[85] 2018-01-19
[86] 2015-07-29 (PCT/US2015/042589)
[87] (WO2017/019051)

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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/01 (2006.01) E21B 23/06 (2006.01)**
[25] EN
[54] **RETRIEVABLE INFLATABLE BRIDGE PLUG WITH SEPARATE SEAL AND ANCHOR COMPONENTS**
[54] **BOUCHON PROVISOIRE GONFLABLE RECUPERABLE A ELEMENTS D'ETANCHEITE ET D'ANCRAGE SEPARES**
[72] MATTHEWS-EWALD, CHRISTOPHER R., US
[72] DILBER, HALIT, US
[72] SPROTT, JOHN M., US
[72] JAGUNNA, BABAJIDE, US
[72] MEYER, KENT S., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2018-01-19
[86] 2016-06-10 (PCT/US2016/036995)
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[30] US (14/807,623) 2015-07-23

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[51] **Int.Cl. C07B 63/04 (2006.01) C07F 9/145 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF A STABILIZED ORGANOPHOSPHOROUS COMPOUND SOLUTION**
[54] **PROCEDE DE PREPARATION D'UNE SOLUTION DE COMPOSE ORGANOPHOSPHOREUX STABILISEE**
[72] BRAMMER, MICHAEL A., US
[72] PHILLIPS, GEORGE R., US
[72] MILLER, GLENN A., US
[72] CAMPBELL, DONALD L., JR., US
[71] DOW TECHNOLOGY INVESTMENTS LLC, US
[85] 2018-01-19
[86] 2016-07-05 (PCT/US2016/040948)
[87] (WO2017/019259)
[30] US (62/197,853) 2015-07-28

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[51] **Int.Cl. E21B 47/06 (2012.01) E21B 44/00 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **DETERMINING DOWNHOLE FORCES USING PRESSURE DIFFERENTIALS**
[54] **DETERMINATION DES FORCES DE FOND DE TROU EN UTILISANT DES DIFFERENTIELS DE PRESSION**
[72] GRAY, STEVEN KYLE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-01-19
[86] 2015-09-02 (PCT/US2015/048103)
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[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01)**
[25] EN
[54] **SCALABLE, REAL-TIME MESSAGING SYSTEM**
[54] **SYSTEME DE MESSAGERIE EN TEMPS REEL EVOLUTIF**
[72] WALKIN, LEV, US
[72] LINDER, FREDRIK ERIK, US
[71] SATORI WORLDWIDE, LLC, US
[85] 2018-01-19
[86] 2016-07-08 (PCT/US2016/041530)
[87] (WO2017/027137)
[30] US (14/821,416) 2015-08-07

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[51] **Int.Cl. C09D 167/02 (2006.01) C08L 67/02 (2006.01)**
[25] EN
[54] **NOVEL BIOBASED POLYESTER**
[54] **NOUVEAU POLYESTER D'ORIGINE BIOLOGIQUE**
[72] MELNYK, THOMAS J., US
[71] VALSPAR SOURCING, INC., US
[85] 2018-01-19
[86] 2016-07-14 (PCT/US2016/042321)
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[30] US (62/194,901) 2015-07-21

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[51] **Int.Cl. B29C 35/08 (2006.01)**
[25] EN
[54] **ACTINIC RADIATION DEVICE FOR SPEEDY RESIN CURE**
[54] **DISPOSITIF DE RAYONNEMENT ACTINIQUE POUR LE DURCISSEMENT RAPIDE DE RESINE**
[72] BLACKWELL, CHARLIE P., US
[72] BRUZZONE, CHARLES L., US
[72] GRIFFIN, MICHAEL E., US
[72] SWAN, MICHAEL D., US
[72] YE, SHENG, US
[72] YUN, ZHISHENG, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-01-19
[86] 2016-07-18 (PCT/US2016/042734)
[87] (WO2017/015188)
[30] US (62/194,476) 2015-07-20

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[51] **Int.Cl. H04L 12/58 (2006.01)**
[25] EN
[54] **SCALABLE, REAL-TIME MESSAGING SYSTEM**
[54] **SYSTEME DE MESSAGERIE EN TEMPS REEL EVOLUTIF**
[72] WALKIN, LEV, US
[72] LINDER, FREDRIK ERIK, US
[71] SATORI WORLDWIDE, LLC, US
[85] 2018-01-19
[86] 2016-07-08 (PCT/US2016/041531)
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[51] **Int.Cl. A61B 1/313 (2006.01) A61B 90/30 (2016.01) A61B 1/06 (2006.01) A61B 18/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LESION FORMATION AND ASSESSMENT**
[54] **SYSTEMES ET PROCEDES POUR LA FORMATION ET L'EVALUATION DE LESIONS**
[72] RANSBURY, TERRANCE J., US
[72] ARMSTRONG, KENNETH C., US
[72] AMIRANA, OMAR, US
[72] LARSON, CINNAMON, US
[71] LUXCATH, LLC, US
[85] 2018-01-19
[86] 2016-07-19 (PCT/US2016/042891)
[87] (WO2017/015257)
[30] US (62/194,276) 2015-07-19
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[51] **Int.Cl. H04L 27/12 (2006.01) H04L 27/14 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **EXTRACTING CARRIER SIGNALS FROM MODULATED SIGNALS**
[54] **EXTRACTION DE SIGNAUX DE PORTEUSE A PARTIR DE SIGNAUX MODULES**
[72] GERDES, RICHARD C., US
[71] TM IP HOLDINGS, LLC, US
[85] 2018-01-19
[86] 2016-03-31 (PCT/US2016/025196)
[87] (WO2017/019130)
[30] US (14/808,903) 2015-07-24

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[13] A1
[51] **Int.Cl. B60C 23/04 (2006.01)**
[25] EN
[54] **TRANSMITTING DEVICE WITH ANTENNA**
[54] **DISPOSITIF DE TRANSMISSION COMPRENANT UNE ANTENNE**
[72] PATTERSON, ROBERT G., US
[72] LAMMERS, SHAWN D., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2018-01-19
[86] 2016-07-12 (PCT/US2016/041861)
[87] (WO2017/014991)
[30] US (14/803,641) 2015-07-20

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[51] **Int.Cl. B28B 5/02 (2006.01) B28B 17/00 (2006.01) B28B 19/00 (2006.01) G01B 11/04 (2006.01) G01B 11/26 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR PRODUCING GYPSUM WALLBOARD**
[54] **APPAREIL ET PROCEDES DE PRODUCTION D'UN PANNEAU DE PLATRE**
[72] EVERSOLE, LESLIE, US
[72] DELLANGELO, SCOTT, US
[72] LASH, JASON, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2018-01-19
[86] 2016-07-19 (PCT/US2016/042874)
[87] (WO2017/015247)
[30] US (14/807,111) 2015-07-23

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[51] **Int.Cl. G06F 21/00 (2013.01) G06F 21/30 (2013.01) G06F 21/32 (2013.01) G06F 21/33 (2013.01) G06F 21/36 (2013.01) G06K 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VALIDATING AUTHORSHIP OF AN ELECTRONIC SIGNATURE SESSION**
[54] **SYSTEME ET PROCEDE DE VALIDATION DE PATERNITE D'UNE SESSION DE SIGNATURE ELECTRONIQUE**
[72] KINSEL, PATRICK A., US
[72] PASE, ADAM, US
[71] NOTARIZE, INC., US
[85] 2018-01-19
[86] 2016-07-19 (PCT/US2016/042916)
[87] (WO2017/015266)
[30] US (62/194,556) 2015-07-20

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[25] EN
[54] **ELECTROSURGICAL WAVE GENERATOR**
[54] **GENERATEUR D'ONDES ELECTROCHIRURGICALES**
[72] MILLIS, ROGER, US
[72] LEWIS, RYAN D., US
[72] BORGMEIER, PAUL R., US
[72] GREEP, DARCY W., US
[72] FRAMPTON, CHAD S., US
[71] MEGADYNE MEDICAL PRODUCTS, INC., US
[85] 2018-01-19
[86] 2016-07-19 (PCT/US2016/042969)
[87] (WO2017/015287)
[30] US (62/194,390) 2015-07-20
[30] US (15/213,163) 2016-07-18

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[51] **Int.Cl. C07B 37/12 (2006.01) C07C 2/52 (2006.01) C07C 61/22 (2006.01)**
[25] EN
[54] **METHODS OF SYNTHESIS OF (1R,2R,5R)-5-AMINO-2-METHYLCYCLOHEXANOL HYDROCHLORIDE AND INTERMEDIATES USEFUL THEREIN**
[54] **PROCEDES DE SYNTHESE DE CHLORHYDRATE DE (1R,2R,5R)-5-AMINO-2-METHYLCYCLOHEXANOL ET INTERMEDIAIRES UTILES A CET EFFET**
[72] CONNOLLY, TERRENCE JOSEPH, US
[72] MAN, HON-WAH, US
[72] NAGARAJAN, PERIYANDI, IN
[72] RAJENDIRAN, CHINNAPILLAI, IN
[72] VENKATESWARLU, JASTI, IN
[71] CELGENE CORPORATION, US
[85] 2018-01-19
[86] 2016-07-22 (PCT/US2016/043511)
[87] (WO2017/019487)
[30] US (62/196,363) 2015-07-24

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[51] **Int.Cl. B24B 19/02 (2006.01) B23G 5/00 (2006.01) B23G 9/00 (2006.01) B24D 5/02 (2006.01)**
[25] EN
[54] **THREAD REPAIR TOOLS AND METHODS OF MAKING AND USING THE SAME**
[54] **OUTILS DE REPARATION DE FILETAGE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] LEWIS, DAVID M., US
[72] LEWIS, TERRY A., US
[72] LEWIS, TRAVIS R., US
[71] LEWIS, DAVID M., US
[71] LEWIS, TERRY A., US
[71] LEWIS, TRAVIS R., US
[85] 2018-01-19
[86] 2016-07-22 (PCT/US2016/043538)
[87] (WO2017/019497)
[30] US (62/196,552) 2015-07-24
[30] US (62/305,633) 2016-03-09

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[51] **Int.Cl. B23K 26/00 (2014.01) B23K 26/03 (2006.01) C03C 23/00 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROLLED LASER-INDUCED GROWTH OF GLASS BUMPS ON GLASS ARTICLES**
[54] **PROCEDES DE CROISSANCE INDUITE PAR LASER COMMANDEE DE BOSSES DE VERRE SUR DES ARTICLES EN VERRE**
[72] MASTERS, LEONARD THOMAS, US
[72] STRELTSOV, ALEXANDER MIKHAILOVICH, US
[71] CORNING INCORPORATED, US
[85] 2018-01-19
[86] 2016-07-22 (PCT/US2016/043554)
[87] (WO2017/019505)
[30] US (14/808,579) 2015-07-24

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 45/06 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **ANTIBODY THERAPEUTICS THAT BIND LAG3**
[54] **ANTICORPS THERAPEUTIQUES QUI SE LIENT A LAG3**
[72] ZHOU, HEYUE, US
[72] GRAY, JOHN DIXON, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2018-01-19
[86] 2016-07-22 (PCT/US2016/043562)
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[51] **Int.Cl. B23K 26/00 (2014.01) B23K 26/03 (2006.01) C03C 23/00 (2006.01)**
[25] EN
[54] **GLASS BUMPS ON GLASS ARTICLES AND METHODS OF LASER-INDUCED GROWTH**
[54] **BOSSES DE VERRE SUR DES ARTICLES EN VERRE ET PROCEDES DE CROISSANCE INDUITE PAR LASER**
[72] MASTERS, LEONARD THOMAS, US
[72] STRELTSOV, ALEXANDER MIKHAILOVICH, US
[71] CORNING INCORPORATED, US
[85] 2018-01-19
[86] 2016-07-22 (PCT/US2016/043597)
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[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION OF IMMUNOMODULATORY AGENT WITH PD-1-OR PD-L1 CHECKPOINT INHIBITORS IN THE TREATMENT OF CANCER**
[54] **COMBINAISON D'UN AGENT IMMUNOMODULATEUR AVEC LES INHIBITEURS DE POINTS DE CONTROLE PD-1-OU PD-L1 DANS LE TRAITEMENT DU CANCER**
[72] ZIBELMAN, MATTHEW, US
[72] PLIMACK, ELIZABETH R., US
[72] GRAHN, AMY, US
[72] DEVANE, JOHN GERARD, IE
[72] SHERMAN, JEFFREY W., US
[71] HZNP LMITED, BM
[71] THE AMERICAN ONCOLOGIC HOSPITAL - D/B/A HOSPITAL OF THE FOX CHASE CANCER CENTER, US
[85] 2018-01-19
[86] 2016-07-21 (PCT/US2016/043289)
[87] (WO2017/015442)
[30] US (62/195,461) 2015-07-22

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[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C40B 40/06 (2006.01) C40B 40/08 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTING AND TREATING LOW-VIRULENCE INFECTIONS**
[54] **PROCEDES PERMETTANT DE DETECTER ET TRAITER DES INFECTIONS A FAIBLE VIRULENCE**
[72] CAPOOR, MANU, US
[72] SLABY, ONDREJ, US
[71] DISCITISDX, INC., US
[85] 2018-01-19
[86] 2016-07-21 (PCT/US2016/043295)
[87] (WO2017/019440)
[30] US (62/196,508) 2015-07-24

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[51] **Int.Cl. F16B 7/04 (2006.01)**
[25] EN
[54] **RELEASABLE COUPLING SYSTEM**
[54] **SYSTEME D'ACCOUPLEMENT LIBERABLE**
[72] GARZA-MONTEMAYOR, JORGE-EUGENIO, MX
[72] GARZA-MONTEMAYOR, JOSE GUADALUPE, MX
[71] GARZA-MONTEMAYOR, JORGE-EUGENIO, MX
[71] GARZA-MONTEMAYOR, JOSE GUADALUPE, MX
[85] 2018-01-09
[86] 2015-10-29 (PCT/MX2015/000141)
[87] (WO2017/010860)
[30] US (62/190,868) 2015-07-10

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[13] A1
[51] **Int.Cl. A61F 9/00 (2006.01) A61F 9/007 (2006.01) A61L 31/08 (2006.01)**
[25] EN
[54] **COATED PUNCTAL PLUG**
[54] **BOUCHON MEATIQUE REVETU**
[72] JARRETT, PETER, US
[72] SAWHNEY, AMARPREET S., US
[72] MCGRATH, MICHAEL J., US
[72] DRISCOLL, ARTHUR, US
[72] DESAI, ANKITA DARSHAN, US
[72] BASSETT, MICHAEL, US
[71] INCEPT, LLC, US
[85] 2018-01-19
[86] 2016-07-22 (PCT/US2016/043647)
[87] (WO2017/015591)
[30] US (62/195,580) 2015-07-22

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[51] **Int.Cl. A61K 31/451 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **PRIDOPIDINE BASE FORMULATIONS AND THEIR USE**
[54] **FORMULATIONS A BASE DE PRIDOPIDINE ET UTILISATION DESDITES FORMULATIONS**
[72] LICHT, DANIT, IL
[72] LOVINGER, IOANA, IL
[72] SAFADI, MUHAMMED, IL
[71] TEVA PHARMACEUTICALS INTERNATIONAL GMBH, CH
[85] 2018-01-19
[86] 2016-07-22 (PCT/US2016/043696)
[87] (WO2017/015615)
[30] US (62/195,659) 2015-07-22

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[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/04 (2006.01) A61F 5/042 (2006.01) A61F 5/05 (2006.01) A61F 5/058 (2006.01) A61F 13/04 (2006.01)**
[25] EN
[54] **QUICK DEPLOYMENT CAST**
[54] **PLATRE A DEPLOIEMENT RAPIDE**
[72] ELSMO, ALAN CLARK, US
[71] IRON HORSE PRIME, LLC, US
[85] 2018-01-19
[86] 2016-07-21 (PCT/US2016/043304)
[87] (WO2017/019443)
[30] US (14/805,460) 2015-07-21

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **CONSTRUCTS TARGETING PSA PEPTIDE/MHC COMPLEXES AND USES THEREOF**
[54] **CONSTRUCTIONS CIBLANT DES COMPLEXES PEPTIDE APS/CMH ET LEURS UTILISATIONS**
[72] LIU, HONG, US
[72] XIANG, JINGYI, US
[72] XU, YIYANG, US
[72] CHAN, VIVIEN WAI-FAN, US
[71] EUREKA THERAPEUTICS, INC., US
[85] 2018-01-19
[86] 2016-07-22 (PCT/US2016/043753)
[87] (WO2017/015634)
[30] US (62/195,706) 2015-07-22

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[51] **Int.Cl. B01F 1/00 (2006.01)**
[25] EN
[54] **SOLID PRODUCT DISPENSER FOR SMALL VOLUME APPLICATIONS**
[54] **DISTRIBUTEUR DE PRODUIT SOLIDE POUR APPLICATIONS DE PETIT VOLUME**
[72] SCHWARTZ, DANIEL, US
[72] DRAKE, RYAN JOSEPH, US
[72] WEILAGE, HOPE EMILY, US
[72] ANDERSON, TROY ANDREAS, US
[72] GILBERTSON, SARAH BETH, US
[71] ECOLAB USA INC., US
[85] 2018-01-19
[86] 2016-07-21 (PCT/US2016/043420)
[87] (WO2017/015505)
[30] US (14/807,552) 2015-07-23

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[13] A1
[51] **Int.Cl. B25C 1/06 (2006.01) B25D 11/06 (2006.01)**
[25] EN
[54] **FASTENER DRIVING APPARATUS**
[54] **APPAREIL D'ENFONCEMENT DE PIECE DE FIXATION**
[72] PEDICINI, CHRISTOPHER, US
[71] TRICORD SOLUTIONS, INC., US
[85] 2018-01-19
[86] 2016-07-25 (PCT/US2016/043825)
[87] (WO2017/015654)
[30] US (15/012,498) 2015-07-23

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[51] **Int.Cl. A01N 63/02 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **AGRICULTURALLY BENEFICIAL MICROBES, MICROBIAL COMPOSITIONS, AND CONSORTIA**
[54] **MICROBES BENEFIQUES POUR L'AGRICULTURE, COMPOSITIONS MICROBIENNES ET CONSORTIUMS**
[72] WIGLEY, PETER, NZ
[72] TURNER, SUSAN, US
[72] GEORGE, CAROLINE, NZ
[72] WRIGHT, DAMIAN, NZ
[72] WILLIAMS, THOMAS, US
[72] ROBERTS, KELLY, US
[72] HYMUS, GRAHAM, US
[71] BIOCONSORTIA, INC., US
[85] 2018-01-19
[86] 2016-07-25 (PCT/US2016/043933)
[87] (WO2017/019633)
[30] US (62/196,951) 2015-07-25

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[13] A1
[51] **Int.Cl. C11D 7/22 (2006.01) C09K 8/34 (2006.01) C09K 8/52 (2006.01) C09K 8/588 (2006.01)**
[25] EN
[54] **CLEANING AND REMOVAL OF WAX DEPOSITS IN OIL AND GAS WELLS USING CATIONIC POLYMERS**
[54] **NETTOYAGE ET ELIMINATION DE DEPOTS DE CIRE DANS DES PUITS DE GAZ ET DE PETROLE A L'AIDE DE POLYMERES CATIONIQUES**
[72] FAUST, MARCUS, JR., US
[72] PHAN, TRI, US
[72] EDOVIA, THEOPHILUS, US
[72] HANCOCK, MATTHEW, US
[71] ECOLAB USA INC., US
[85] 2018-01-19
[86] 2016-07-26 (PCT/US2016/043995)
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[51] **Int.Cl. C12P 7/08 (2006.01) G01N 33/22 (2006.01) G05B 21/02 (2006.01) G05D 11/08 (2006.01) G05D 21/02 (2006.01)**
[25] EN
[54] **APPLYING MEASUREMENT, CONTROL AND AUTOMATION TO A DRY CORN MILLING ETHANOL PRODUCTION PROCESS TO MAXIMIZE THE RECOVERY OF ETHANOL AND CO-PRODUCTS**
[54] **APPLICATION DE MESURE, DE COMMANDE ET D'AUTOMATISATION A UN PROCEDE DE PRODUCTION D'ETHANOL PAR MOUTURE DE MAIS SEC POUR MAXIMISER LA RECUPERATION D'ETHANOL ET DE CO-PRODUITS**
[72] TURNBULL, JAMES T., US
[72] MAGNESS, BRET H., US
[71] BUCKMAN INTERNATIONAL LABORATORIES, INC., US
[85] 2018-01-19
[86] 2016-07-20 (PCT/US2016/043122)
[87] (WO2017/015361)
[30] US (62/194,539) 2015-07-20

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[51] **Int.Cl. G06F 17/00 (2006.01)**
[25] EN
[54] **CREATING SPECTRAL WELLS FOR INSERTING WATERMARKS IN AUDIO SIGNALS**
[54] **CREATION DE PUITS SPECTRAUX PERMETTANT D'INSERER DES FILIGRANES DANS DES SIGNAUX AUDIO**
[72] BLESSER, BARRY A., US
[71] TLS CORP., US
[85] 2018-01-19
[86] 2016-07-20 (PCT/US2016/043123)
[87] (WO2017/015362)
[30] US (14/803,655) 2015-07-20

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[13] A1
[51] **Int.Cl. C10M 169/00 (2006.01) C10M 169/04 (2006.01)**
[25] EN
[54] **DRY LUBRICATOR FOR PLASTIC AND STAINLESS STEEL SURFACES**
[54] **DISPOSITIF DE LUBRIFICATION A SEC POUR SURFACES EN ACIER INOXYDABLE ET PLASTIQUE**
[72] MORALES ARRIAGA, FABIOLA, MX
[72] TREVINO GARZA, SARA, MX
[72] OCHOA GUERRA, JESUS, MX
[72] MENDOZA SANTOS, JAIME, MX
[71] ECOLAB USA INC., US
[85] 2018-01-19
[86] 2016-07-26 (PCT/US2016/043998)
[87] (WO2017/019666)
[30] US (14/809,437) 2015-07-27

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[13] A1
[51] **Int.Cl. B65B 11/04 (2006.01) B65B 19/34 (2006.01) B65B 35/50 (2006.01) G07D 9/06 (2006.01)**
[25] EN
[54] **COIN WRAPPING MACHINE**
[54] **MACHINE D'ENVELOPPEMENT DE PIECES DE MONNAIE**
[72] STRING, GREGORY F., US
[71] GCCM, LLC, US
[85] 2018-01-19
[86] 2016-07-21 (PCT/US2016/043235)
[87] (WO2017/015419)
[30] US (14/805,884) 2015-07-22

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[51] **Int.Cl. A61K 31/575 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/38 (2006.01) A61P 27/02 (2006.01) A61P 27/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR THE TREATMENT OF CATARACTS**
[54] **COMPOSITIONS POUR LE TRAITEMENT DE LA CATARACTE**
[72] NGUYEN, SAM L., US
[71] CATACORE, INC, US
[85] 2018-01-19
[86] 2016-07-27 (PCT/US2016/044337)
[87] (WO2017/019808)
[30] US (62/197,477) 2015-07-27
[30] US (62/202,518) 2015-08-07
[30] US (62/252,120) 2015-11-06
[30] US (62/295,267) 2016-02-15

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[51] **Int.Cl. G09B 23/28 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **APPENDECTOMY MODEL**
[54] **MODELE D'APPENDICECTOMIE**
[72] SALEH, KHODR, US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
[85] 2018-01-19
[86] 2016-07-21 (PCT/US2016/043277)
[87] (WO2017/015438)
[30] US (62/195,439) 2015-07-22

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[51] **Int.Cl. A61K 35/14 (2015.01) C12N 5/0775 (2010.01) C07K 16/28 (2006.01) C12N 1/11 (2006.01) C12N 1/21 (2006.01)**
[25] EN
[54] **PD-L1 EXPRESSING HEMATOPOIETIC STEM CELLS AND USES**
[54] **CELLULES SOUCHES HEMATOPOIETIQUES EXPRIMANT PD-L1 LEURS UTILISATIONS**
[72] FIORINA, PAOLO, US
[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2018-01-19
[86] 2016-07-20 (PCT/US2016/043053)
[87] (WO2017/015320)
[30] US (62/194,969) 2015-07-21

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[13] A1
[51] **Int.Cl. A61K 9/64 (2006.01) A61F 2/958 (2013.01) A61P 3/10 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT PREPARATIONS FOR DELIVERY INTO A LUMEN OF THE INTESTINAL TRACT USING A SWALLOWABLE DRUG DELIVERY DEVICE**
[54] **PREPARATIONS D'AGENT THERAPEUTIQUE A ADMINISTRER DANS UNE LUMIERE DU TRACTUS INTESTINAL AU MOYEN D'UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT AVALABLE**
[72] IMRAN, MIR, US
[71] RANI THERAPEUTICS, LLC, US
[85] 2018-01-18
[86] 2016-07-05 (PCT/US2016/041013)
[87] (WO2017/004623)
[30] US (62/188,408) 2015-07-02

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[51] **Int.Cl. G01N 21/05 (2006.01) G01N 1/22 (2006.01) G01N 15/06 (2006.01) G01N 21/33 (2006.01) G01N 21/35 (2014.01) G01N 21/85 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTION OF PARTICLES IN LIQUID OR IN AIR**
[54] **SYSTEME ET PROCEDE DE DETECTION DE PARTICULES DANS UN LIQUIDE OU DANS L'AIR**
[72] KEINAN, ALEX, IL
[71] FLUIDSENS INTERNATIONAL INC., US
[85] 2018-01-19
[86] 2016-07-21 (PCT/IL2016/050792)
[87] (WO2017/013653)
[30] RU (046217) 2015-07-21

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[51] **Int.Cl. E21B 47/008 (2012.01) E21B 43/12 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR PAIRING ROD PUMP CONTROLLER POSITION AND LOAD VALUES**
[54] **PROCEDES ET APPAREIL D'APPARIEMENT DE VALEURS DE POSITION ET DE CHARGE COMMANDE DE POMPE A TIGE**
[72] MILLS, THOMAS MATTHEW, US
[71] BRISTOL, INC., D/B/A ROMOTE AUTOMATION SOLUTIONS, US
[85] 2018-01-19
[86] 2016-07-28 (PCT/US2016/044368)
[87] (WO2017/019823)
[30] US (14/810,045) 2015-07-27

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[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/077 (2010.01) C12N 5/0775 (2010.01) A61K 35/35 (2015.01) A61K 35/50 (2015.01)**
[25] EN
[54] **EXOSOME COMPOSITIONS AND USE THEREOF FOR SOFT TISSUE REPAIR**
[54] **COMPOSITIONS D'EXOSOME ET LEUR UTILISATION POUR LA REPARATION DE TISSUS MOUS**
[72] LUDLOW, JOHN W., US
[72] BUEHRER, BENJAMIN, US
[72] PIERACCINI, PETER, US
[71] ZEN-BIO, INC., US
[85] 2018-01-19
[86] 2016-07-28 (PCT/US2016/044453)
[87] (WO2017/023689)
[30] US (62/199,696) 2015-07-31

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[51] **Int.Cl. A61K 31/74 (2006.01)**
[25] EN
[54] **EXOSOME COMPOSITIONS AND METHODS FOR PREPARATION AND USE THEREOF FOR REGULATING AND CONDITIONING SKIN AND HAIR**
[54] **COMPOSITIONS D'EXOSOMES ET METHODES POUR LA PREPARATION ET L'UTILISATION DE CES DERNIERS POUR LA REGULATION ET LE CONDITIONNEMENT DE LA PEAU ET DES CHEVEUX**
[72] LUDLOW, JOHN W., US
[72] BUEHRER, BENJAMIN, US
[72] PIERACCINI, PETER, US
[71] EXOCEUTICALS, INC., US
[85] 2018-01-19
[86] 2016-07-28 (PCT/US2016/044458)
[87] (WO2017/023690)
[30] US (62/199,696) 2015-07-31

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[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/115 (2016.01) A23L 33/12 (2016.01) A23L 33/125 (2016.01) A23L 33/15 (2016.01) A23L 33/155 (2016.01) A23L 33/19 (2016.01)**
[25] EN
[54] **NUTRITIONAL PRODUCTS HAVING IMPROVED LIPOPHILIC SOLUBILITY AND BIOAVAILABILITY IN AN EASILY MIXABLE FORM**
[54] **PRODUITS NUTRITIONNELS AYANT UNE MEILLEURE SOLUBILITE LIPOPHILE ET UNE MEILLEURE BIODISPONIBILITE SOUS FORME FACILEMENT MELANGEABLE**
[72] GORDON, GARY, US
[72] VURMA, MUSTAFA, US
[71] ABBOTT LABORATORIES, US
[85] 2018-01-19
[86] 2016-07-28 (PCT/US2016/044495)
[87] (WO2017/019872)
[30] US (62/198,512) 2015-07-29

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[51] **Int.Cl. A61K 31/7036 (2006.01) C07H 15/228 (2006.01) C07H 15/232 (2006.01)**
[25] EN
[54] **GUANIDINOGLYCOSIDE-MEDIATED LIPOSOME-BASED DELIVERY OF THERAPEUTICS**
[54] **ADMINISTRATION D'AGENTS THERAPEUTIQUES EN FONCTION DE LIPOSOMES ET A MEDIATION PAR DES GUANIDINOGLYCOSIDES**
[72] ESKO, JEFFREY D., US
[72] TOR, YITZHAK, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-01-19
[86] 2016-04-01 (PCT/US2016/025730)
[87] (WO2016/161377)
[30] US (62/141,769) 2015-04-01

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[13] A1
[51] **Int.Cl. G06Q 20/22 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING TRANSACTIONS TO PAYMENT ACCOUNTS**
[54] **SYSTEMES ET PROCEDES POUR TRAITER DES TRANSACTIONS AU NIVEAU DE COMPTES DE PAIEMENT**
[72] UNSER, KENNETH, US
[72] LEE, EDWARD, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-01-19
[86] 2016-06-08 (PCT/US2016/036364)
[87] (WO2017/014845)
[30] US (14/804,435) 2015-07-21

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[51] **Int.Cl. B01D 71/48 (2006.01) D04H 1/435 (2012.01)**
[25] EN
[54] **GRAFTED ISLANDS-IN-THE-SEA NONWOVEN FOR HIGH CAPACITY ION EXCHANGE BIOSEPARATION**
[54] **NON-TISSES A ILOTS DANS LA MER GREFFES POUR LA BIOSEPARATION D'ECHANGE D'IONS A HAUTE CAPACITE**
[72] HELLER, MICHAEL LEONARD, US
[72] CARBONELL, RUBEN G., US
[72] POURDEYHIMI, BEHNAM, US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2018-01-19
[86] 2016-07-28 (PCT/US2016/044505)
[87] (WO2017/019874)
[30] US (62/198,862) 2015-07-30

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[51] **Int.Cl. A63C 9/00 (2012.01) A63C 9/10 (2012.01)**
[25] EN
[54] **REMOTE RELEASE SKI BINDING**
[54] **FIXATION DE SKI DETACHABLE A DISTANCE**
[72] WILSON, GORDON J., NZ
[72] GOODAPATI, GAUTAM, CA
[72] FREDRICKS, BLAIR L., CA
[72] BARDEN, ROB, CA
[72] HERR, JEFFREY WAYNE, CA
[71] ROSSLAND BINDING COMPANY, CA
[85] 2018-01-22
[86] 2016-09-14 (PCT/CA2016/051081)
[87] (WO2017/045073)
[30] US (14/857,989) 2015-09-18

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[13] A1
[51] **Int.Cl. G06Q 20/10 (2012.01)**
[25] EN
[54] **METHOD, SYSTEM, AND APPARATUS FOR SETTING UP ELECTRONIC CERTIFICATES AND PROCESSING DATA EXCHANGE**
[54] **PROCEDE, SYSTEME ET APPAREIL POUR CONFIGURER DES CERTIFICATS ELECTRONIQUES ET TRAITER UN ECHANGE DE DONNEES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084561)
[87] (WO2017/011994)

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[51] **Int.Cl. G06Q 20/22 (2012.01)**
[25] EN
[54] **MONEY MANAGEMENT SERVER, AND DATA PROCESSING METHOD AND SYSTEM FOR ISSUING INTER-BANK ELECTRONIC CERTIFICATE**
[54] **SERVEUR DE GESTION D'ARGENT AINSI QUE PROCEDE ET SYSTEME DE TRAITEMENT DE DONNEES POUR EMISSION DE CERTIFICAT ELECTRONIQUE INTER-BANQUES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084574)
[87] (WO2017/012005)

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[51] **Int.Cl. F16B 19/04 (2006.01) F16B 19/06 (2006.01) F16B 19/08 (2006.01) F16B 37/04 (2006.01) F16B 39/282 (2006.01)**
[25] EN
[54] **TAPERED HEAD CLINCH FASTENER**
[54] **FIXATION A RIVETS A TETE CONIQUE**
[72] MALONEY, MICHAEL J., US
[71] PENN ENGINEERING & MANUFACTURING CORP., US
[85] 2018-01-19
[86] 2016-07-28 (PCT/US2016/044582)
[87] (WO2017/019912)
[30] US (62/197,850) 2015-07-28

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[13] A1
[51] **Int.Cl. G06Q 20/12 (2012.01)**
[25] EN
[54] **METHOD, SYSTEM, AND DEVICE FOR TRANSFERRING RIGHT TO CONFIRM ISSUANCE OF ELECTRONIC CERTIFICATE**
[54] **PROCEDE, SYSTEME ET DISPOSITIF POUR TRANSFERER LE DROIT DE CONFIRMER LA DELIVRANCE D'UN CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084576)
[87] (WO2017/012007)

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[13] A1
[51] **Int.Cl. C08L 69/00 (2006.01) B32B 27/00 (2006.01)**
[25] EN
[54] **IMPACT MODIFIED COMPOSITIONS METHODS OF MANUFACTURE THEREOF AND ARTICLES COMPRISNG THE SAME**
[54] **COMPOSITIONS DE RESISTANCE AUX CHOCS MODIFIEE, PROCEDES POUR LES FABRIQUER ET ARTICLES LES COMPRENANT**
[72] LESSER, ALAN JAMES, US
[72] EVANS, GREGORY CONNOR, US
[72] DESBOIS, PHILIPPE, DE
[71] UNIVERSITY OF MASSACHUSETTS, US
[71] BASF SE, DE
[85] 2018-01-19
[86] 2016-07-29 (PCT/US2016/044789)
[87] (WO2017/019979)
[30] US (62/198,699) 2015-07-30

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[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **MONEY FREEZING CONTENT MODIFICATION METHOD, AND DATA PROCESSING METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE DE MODIFICATION DE CONTENU DE BLOCAGE D'ARGENT, ET PROCEDE, APPAREIL ET SYSTEME DE TRAITEMENT DE DONNEES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084578)
[87] (WO2017/012009)

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[13] A1
[51] **Int.Cl. G06Q 20/08 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CHANGING CERTIFICATE ISSUING BANK OF ELECTRONIC CERTIFICATE**
[54] **PROCEDE ET SYSTEME DE CHANGEMENT DE BANQUE D'EMISSION DE CERTIFICAT DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084579)
[87] (WO2017/012010)

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[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **ELECTRONIC-CERTIFICATE EXTENSION PERIOD METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE PERIODE D'EXTENSION DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084581)
[87] (WO2017/012012)

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[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **METHOD, SYSTEM, AND DEVICE FOR BATCH ISSUING ELECTRONIC CERTIFICATES**
[54] **PROCEDE, SYSTEME ET DISPOSITIF POUR DELIVRER EN LOTS DES CERTIFICATS ELECTRONIQUES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084590)
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[51] **Int.Cl. G06Q 20/08 (2012.01)**
[25] EN
[54] **METHOD FOR RETURNING ELECTRONIC CERTIFICATE AND ELECTRONIC PAYMENT SYSTEM**
[54] **PROCEDE POUR RENVOYER UN CERTIFICAT ELECTRONIQUE ET SYSTEME DE PAIEMENT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084582)
[87] (WO2017/012013)

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[51] **Int.Cl. G06Q 20/00 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **MONEY MANAGEMENT SERVER, AND DATA PROCESSING METHOD AND SYSTEM FOR ORGANISING ISSUING OF CERTIFICATE**
[54] **SERVEUR DE GESTION D'ARGENT, ET PROCEDE ET SYSTEME DE TRAITEMENT DE DONNEES POUR ORGANISER LA DELIVRANCE D'UN CERTIFICAT**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084584)
[87] (WO2017/012015)

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[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **DATA PROCESSING METHOD, SERVER, AND APPARATUS THEREOF FOR PERIODICALLY ISSUING ELECTRONIC CERTIFICATES**
[54] **PROCEDE DE TRAITEMENT DE DONNEES, SERVEUR ET APPAREIL ASSOCIE D'EMISSION PERIODIQUE DE CERTIFICATS ELECTRONIQUES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084589)
[87] (WO2017/012020)

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[51] **Int.Cl. G06Q 20/22 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE ISSUING METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE DELIVRANCE DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084592)
[87] (WO2017/012023)

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[51] **Int.Cl. D06M 14/02 (2006.01) B05D 3/04 (2006.01) D06M 11/34 (2006.01) D06M 14/08 (2006.01) D06M 15/263 (2006.01) D06M 15/643 (2006.01) D06M 15/705 (2006.01) H01L 21/56 (2006.01)**
[25] EN
[54] **HYPERBARIC PROCESS FOR APPLYING AND CURING AN ORGANIC POLYMERIZABLE TREATMENT**
[54] **PROCEDE HYPERBARE POUR APPLIQUER ET FAIRE DURCIR UN TRAITEMENT POLYMERISABLE ORGANIQUE**
[72] SELWYN, GARY S., US
[71] SELWYN, GARY S., US
[85] 2018-01-19
[86] 2016-07-29 (PCT/US2016/044904)
[87] (WO2017/020018)
[30] US (62/199,195) 2015-07-30

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[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE PAYMENT METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE PAIEMENT PAR CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084593)
[87] (WO2017/012024)

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[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SETTING CERTIFICATE RECEIPT TIME LIMITATION FOR ELECTRONIC CERTIFICATE**
[54] **PROCEDE ET SYSTEME DE DEFINITION D'UNE LIMITATION DE TEMPS DE RECEPTION DE CERTIFICAT POUR UN CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084594)
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[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01)**
[25] EN
[54] **SPORTS OR EXERCISE TRAINING DEVICE FOR HAND-SWUNG IMPLEMENTS**
[54] **DISPOSITIF D'ENTRAINEMENT DE SPORT OU D'EXERCICE POUR APPAREILS MANUELLEMENT BALANCES**
[72] SILLIK, FRANCISCO J., US
[71] SILLIK, FRANCISCO J., US
[85] 2018-01-19
[86] 2016-08-02 (PCT/US2016/045173)
[87] (WO2017/023939)
[30] US (14/817,130) 2015-08-03

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[51] **Int.Cl. G21C 21/00 (2006.01) G21C 3/62 (2006.01)**
[25] EN
[54] **A SYSTEM FOR CONTINUOUSLY PREPARING COATED PARTICLES IN A LARGE SCALE**
[54] **SYSTEME DE PREPARATION CONTINUE DE PARTICULES ENROBEES A GRANDE ECHELLE**
[72] LIU, BING, CN
[72] SHAO, YOULIN, CN
[72] LIU, MALIN, CN
[72] LIU, RONGZHENG, CN
[72] ZHU, JUNGUO, CN
[72] TANG, YAPING, CN
[72] ZHANG, ZUOYI, CN
[71] TSINGHUA UNIVERSITY, CN
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[54] **ANTICORPS ANTI-EGFR SPECIFIQUE D'UNE TUMEUR ET APPLICATION ASSOCIEE**
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[72] SONG, BO, CN
[71] CARSGEN THERAPEUTICS CO., LTD., CN
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[54] **VECTEUR DE VIRUS ORF RECOMBINE**
[72] RZIHA, HANS-JOACHIM, DE
[72] AMANN, RALF, DE
[71] EBERHARD KARLS UNIVERSITAET TUEBINGEN MEDIZINISCHE FAKULTAET, DE
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[54] **RESINES EPOXY A BASE DE SUCRE PRESENTANT DES PROPRIETES AMELIOREES DE CONSOLIDATION DU SABLE DANS DES FORMATIONS SOUTERRAINES**
[72] ELURU, SAIRAM, US
[72] SALLA, RAJENDER, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **SYSTEMES ET PROCEDES POUR TROUVER LE NORD**
[72] STRUCKHOFF, ANDREW, US
[72] HARDY, TOM, US
[72] LANE, JASON R., US
[72] SARETTE, JAMES, US
[72] COAKLEY, DARIUS, US
[71] ELBIT SYSTEMS OF AMERICA, LLC, US
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[54] **ANOMALIES GENETIQUES DANS DES DYSCRASIES DE CELLULES DU PLASMA**
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[72] MANIER, SALOMON, FR
[72] MISHIMA, YUJI, JP
[71] DANA-FARBER CANCER INSTITUTE, INC., US
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[54] **COMPOUNDS**
[54] **COMPOSES**
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[72] JIN, YUN, CN
[72] LIU, QIAN, CN
[72] REN, FENG, CN
[72] SANG, YINGXIA, CN
[72] STASI, LUIGI PIERO, CN
[72] WAN, ZEHONG, CN
[72] WANG, HAILONG, CN
[72] XING, WEIQIANG, CN
[72] ZHAN, YANG, CN
[72] ZHAO, BAOWEI, CN
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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[54] **DISPOSITIF DESTINE A DETACHER ET A ELIMINER DES TISSUS**
[72] RACK, TIMO, DE
[71] ERCHINGER MEDTECHNOLOGY GMBH & CO. KG, DE
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[54] **NOVEL ANTI-PD-L1 ANTIBODIES**
[54] **NOUVEAUX ANTICORPS ANTI-PD-L1**
[72] ZHENG, YONG, CN
[72] LI, JING, US
[72] CHEN, ZHISHENG, CN
[71] OPEN MONOCLONAL TECHNOLOGY, INC., US
[71] WUXI BIOLOGICS (SHANGHAI) CO. LTD., CN
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[25] EN
[54] **DEVICE FOR STORING, TRANSPORTING AND/OR HANDLING A LIQUID AND METHOD OF HANDLING A STERILE OR ASEPTIC LIQUID**
[54] **DISPOSITIF POUR STOCKER, TRANSPORTER ET/OU MANIPULER UN LIQUIDE ET PROCEDE DE MANIPULATION D'UN LIQUIDE STERILE OU ASEPTIQUE**
[72] PROULX, STEPHEN, US
[72] DECOSTE, DAVID, US
[71] EMD MILLIPORE CORPORATION, US
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[54] **NOUVEAUX ANTICORPS ANTI-PD-1**
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[72] LI, JING, US
[72] CHEN, ZHISHENG, CN
[71] OPEN MONOCLONAL TECHNOLOGY, INC., US
[71] WUXI BIOLOGICS (CAYMAN) INC., KY
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[54] **TRANSCUTANEOUS ANALYTE SENSORS, APPLICATORS THEREFOR, AND ASSOCIATED METHODS**
[54] **CAPTEURS DE SUBSTANCE A ANALYSER TRANSCUTANES, APPLICATEURS CORRESPONDANTS ET PROCEDES ASSOCIES**
[72] SCHOONMAKER, RYAN EVERETT, US
[72] BLACKWELL, JENNIFER, US
[72] DAVIS, CHRISTOPHER M., US
[72] DERENZY, DAVID, US
[72] GOBRECHT, ERIC, US
[72] HALAC, JASON, US
[72] HUGHES, JONATHAN, US
[72] HURST, KATHLEEN SUZANNE, US
[72] KOPLIN, RANDALL SCOTT, US
[72] LIEU, PHONG, US
[72] NEUSER, KYLE, US
[72] NEWHOUSE, TODD ANDREW, US
[72] PRYOR, JACK, US
[72] SIMPSON, PETER, US
[72] WELLS, MARIA NOEL BROWN, US
[72] ENGLAND, JUSTEN DEERING, US
[72] MAH, STEFANIE LYNN, US
[72] BARBOD, LEONARD DARIUS, US
[72] ALLEN, JILLIAN K., US
[72] ESTES, MICHAEL J., US
[72] PUPA, PHILIP THOMAS, US
[72] GOLDSMITH, TIMOTHY JOSEPH, US
[72] KELLER, KYLE TINNELL, US
[71] DEXCOM, INC., US
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[54] **ENSEMBLE DE CELLULE DE CHARGE A FAIBLE ENCOMBREMENT**
[72] TRAKHIMOVICH, MICHAEL, IL
[71] SHEKEL SCALES (2008) LTD, IL
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[54] **VERIFICATION D'ADRESSES SOURCE ASSOCIEES A UN TERMINAL**
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[71] ALIBABA GROUP HOLDING LIMITED, KY
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[54] **BLOUSE CHIRURGICALE JETABLE**
[72] JASCOMB, JERALD T., US
[71] AVENT, INC., US
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[54] **IMPROVED EFFLUENT TREATMENT PROCESS FOR SULPHATE REMOVAL**
[54] **PROCEDE DE TRAITEMENT D'EFFLUENTS AMELIORE PERMETTANT L'ELIMINATION DES SULFATES**
[72] KOTZE, MARTHA HENDRIETTE, ZA
[71] MINTEK, ZA
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[54] **PROCEDE DE TRAITEMENT D'EFFLUENTS - AJUSTEMENT DU PH POUR L'ELIMINATION DES SULFATES**
[72] KOTZE, MARTHA HENDRIETTE, ZA
[71] MINTEK, ZA
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[54] **APPAREIL PHOTO NUMERIQUE**
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[54] **PROCEDE ET SYSTEME D'ANALYSE DE LA DEMARCHE**
[72] TADANO SHIGERU, JP
[72] TAKEDA RYO, JP
[72] TOHYAMA HARUKAZU, JP
[72] SANO YOSHIHIKO, JP
[72] HARADA MASAHIDE, JP
[71] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP
[71] NIPRO CORPORATION, JP
[71] HARADA ELECTRONICS INDUSTRY CO., LTD., JP
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[54] **ENSEMBLE DE ROTOR DE COMPENSATION DE POUSSEE MODULAIRE**
[72] ENGELMANN, HELMUT, DE
[72] WERNER, STEFAN, DE
[72] MA, YONGCHUN, DE
[72] BRODERS, JURGEN, DE
[71] CIRCOR PUMPS NORTH AMERICA, LLC, US
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[54] **DISPOSITIF ET PROCEDE DE RENFORCEMENT DE TUYAU**
[72] NISHIDA, HIDETAKA, JP
[72] MATSUMURA, HIDEO, JP
[72] MORISHITA, KEIJI, JP
[72] ARAKAWA, DAISUKE, JP
[71] THE CHUGOKU ELECTRIC POWER CO., INC., JP
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[54] **MOLECULARLY IMPRINTED POLYMER BEADS FOR EXTRACTION OF METALS AND USES THEREOF**
[54] **BILLES DE POLYMERE A EMPREINTE MOLECULAIRE POUR EXTRACTION DE METAUX ET LEURS UTILISATIONS**
[72] GLUCKMAN, JONATHAN P., US
[72] SOUTHARD, GLEN E., US
[71] 6TH WAVE INNOVATIONS CORP., US
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[54] **COMPOSITIONS AND METHODS FOR THE STABILIZATION OF CLAY-CONTAINING SOILS**
[54] **COMPOSITIONS ET PROCEDES DE STABILISATION DE SOLS CONTENANT DE L'ARGILE**
[72] MADDURI, ASHOKA V. R., US
[72] BLACKMON, MATTHEW B., US
[72] VHORA, SAMEER S., US
[72] MILLIRON, CHARLES E., III, US
[72] RODENCAL, CURTUS J., US
[72] GANDHI, SANKET, US
[71] HPPE LLC, US
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[54] **WELLBORE TOOL AND METHOD**
[54] **OUTIL DE TROU DE FORAGE ET METHODE**
[72] HUGHES, JOHN, CA
[72] SCHMIDT, JAMES WILBURN, CA
[72] D'ARCY, SHANE, CA
[71] RESOURCE COMPLETION SYSTEMS INC., CA
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[54] **APPARATUS AND METHOD TO STOP BLEEDING**
[54] **APPAREIL ET PROCEDE PERMETTANT D'ARRETER LES SAIGNEMENTS**
[72] PANCHOLY, SAMIR, US
[72] SARDESAI, NOLAN, US
[72] PANSE, MILIND, US
[72] SARDESAI, RAJENDRA, US
[71] VASOINNOVATIONS, INC., US
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[30] US (14/819,383) 2015-08-05
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[25] EN
[54] **METHOD FOR PRODUCING LAMINATE**
[54] **PROCEDE DE PRODUCTION D'UN STRATIFIE**
[72] FUJIWARA, TAKANORI, JP
[71] ZEON CORPORATION, JP
[85] 2018-01-22
[86] 2016-07-25 (PCT/JP2016/071762)
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[30] JP (2015-149435) 2015-07-29

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[54] **ALLERGY PREVENTING DOSAGE CONTROLLED FOOD PACKETS**
[54] **PAQUETS D'ALIMENT A DOSAGE CONTROLE POUR LA PREVENTION D'UNE ALLERGIE**
[72] ERSTEIN, DAVID PHILLIP, US
[71] ASSURED BITES, INC., US
[85] 2018-01-22
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[25] EN
[54] **PLANT DISEASE CONTROL COMPOSITION AND PLANT DISEASE CONTROL METHOD**
[54] **COMPOSITION DE LUTTE CONTRE LES MALADIES DES PLANTES ET PROCEDE DE LUTTE CONTRE LES MALADIES DES PLANTES**
[72] TAKANOHASHI, FUMINA, JP
[72] HIRAO, AYAKO, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2018-01-22
[86] 2016-07-27 (PCT/JP2016/072075)
[87] (WO2017/018466)
[30] JP (2015-147702) 2015-07-27
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[51] **Int.Cl. G01N 33/00 (2006.01)**
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[54] **PREDICTING IMMUNE RESPONSE**
[54] **PREVISION DE LA REPONSE IMMUNITAIRE**
[72] WEBB, TIMOTHY, US
[72] COTARI, JESSE, US
[72] REBO, JUSTIN, US
[72] JACOBSON, STUART ALEXANDER, US
[71] PRIOBIO, LLC, US
[85] 2018-01-22
[86] 2016-07-21 (PCT/US2016/043425)
[87] (WO2017/015509)
[30] US (62/195,837) 2015-07-23
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[51] **Int.Cl. B01L 3/14 (2006.01) A61J 1/05 (2006.01) G01N 1/28 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR BODILY FLUID SAMPLE COLLECTION, TRANSPORT, AND HANDLING**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE COLLECTE, DE TRANSPORT ET DE MANIPULATION D'ECHANTILLONS DE FLUIDE CORPOREL**
[72] HOLMES, ELIZABETH, US
[72] LUI, CLARISSA, US
[72] CHEN, MICHAEL, US
[72] YOUNG, DANIEL, US
[72] ANEKAL, SAMARTHA, US
[71] THERANOS, INC., US
[85] 2018-01-22
[86] 2016-07-21 (PCT/US2016/043435)
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[30] US (62/195,287) 2015-07-21

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[51] **Int.Cl. C23G 1/14 (2006.01) C23G 3/00 (2006.01)**
[25] EN
[54] **SCALE CONDITIONING PROCESS FOR ADVANCED HIGH STRENGTH CARBON STEEL ALLOYS**
[54] **PROCEDE DE CONDITIONNEMENT DE CALAMINE POUR ALLIAGES EVOLUES D'ACIER AU CARBONE A HAUTE RESISTANCE**
[72] MALLOY, JAMES C., US
[72] PIGNOTTI, LOUIS, US
[71] KOLENE CORPORATION, US
[85] 2018-01-22
[86] 2016-07-22 (PCT/US2016/043447)
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[51] **Int.Cl. G01N 33/48 (2006.01)**
[25] EN
[54] **ENHANCING BLOOD CELL ESTIMATION**
[54] **AMELIORATION DE L'ESTIMATION DE GLOBULES**
[72] WEBB, TIMOTHY, US
[72] COTARI, JESSE, US
[72] REBO, JUSTIN, US
[72] JACOBSON, STUART ALEXANDER, US
[71] PRIOBIO, LLC, US
[85] 2018-01-22
[86] 2016-07-22 (PCT/US2016/043641)
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[30] US (62/195,837) 2015-07-23
[30] US (15/216,603) 2016-07-21

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[25] EN
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[72] PETTIT, GEORGE ROBERT, US
[72] MELODY, NOELEEN, US
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[54] **PROCEDE, SYSTEME ET APPAREIL POUR LE TRAITEMENT DE DYSFONCTIONNEMENTS BINOCULAIRES**
[72] ALVAREZ, TARA LYNN, US
[72] D'ANTONIO-BERTAGNOLLI, JOHN VITO, US
[72] GIOIA, ROBERT, US
[72] SCHEIMAN, MITCHELL, US
[72] YARMOTHU, CHANG, US
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[54] **THERMOPHILIC MICROORGANISMS FOR CONVERSION OF LIGNOCELLULOSIC BIOMASS TO ETHANOL**
[54] **MICROORGANISMES THERMOPHILES POUR LA CONVERSION DE BIOMASSE LIGNOCELLULOSIQUE EN ETHANOL**
[72] OLSON, DANIEL G., US
[72] LYND, LEE R., US
[72] TIAN, LIANG, US
[72] LO, JONATHAN, US
[72] ZHOU, JILAI, US
[72] HON, SHUEN, US
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[54] **COMPOSE CIBLANT LE FACTEUR D'ACTIVATION D'IL-23 ET DES LYMPHOCYTES B (BAFF) ET UTILISATIONS ASSOCIEES**
[72] SINGH, SANJAYA, US
[72] PAN, QI, US
[72] BARRETT, RACHEL REBECCA, US
[72] JOHNSON, LESLIE S., US
[72] GUPTA, PANKAJ, US
[72] LOW, SARAH, US
[72] WU, HAIXIA, US
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[54] **PROCEDE ET APPAREIL DE DETERMINATION SANS AMBIGUITE D'ORIENTATION D'UNE TETE HUMAINE EN MODELISATION GEOMETRIQUE 3D**
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[54] **RECOVERY OF RARE EARTHS FROM CONCENTRATES CONTAINING FLUORINE**
[54] **RECUPERATION DE TERRES RARES A PARTIR DE CONCENTRES CONTENANT DU FLUOR**
[72] SUN, KANG, US
[72] BAUGHMAN, DAVID R., US
[72] HAZEN, WAYNE W., US
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[54] **EQUIPEMENT EMBARQUE**
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[71] HYCOR BIOMEDICAL, LLC, US
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[54] **BACTERIOPHAGE POUR TRAITER DES INFECTIONS PAR UN STAPHYLOCOCCUS**
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[72] RADDING, JEFFREY A., US
[71] ENBIOTIX, INC., US
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[54] **SYSTEMES D'ADMINISTRATION DE MEDICAMENTS INTRAVITREENS POUR LE TRAITEMENT D'ETATS OCULAIRES**
[72] WILLIAMS, STUART, US
[72] DAS, SANJIB, US
[72] NAVRATIL, TOMAS, US
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[71] CARDIFF GROUP, NAAMLOZE VENNOOTSCHAP, BE
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[54] **APPAREIL POUR LA FABRICATION D'UN OBJET**
[72] GARDINER, JAMES BRUCE, AU
[72] MANEFIELD, LEX MATTHEW, AU
[71] LAING O'ROURKE AUSTRALIA PTY LIMITED, AU
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[54] **SYSTEME ET PROCEDE DE REPRODUCTION D'ETIQUETTE D'ACCES SANS FIL**
[72] YORKSTON, SIMON, FR
[71] INFO WISE LIMITED, CN
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[54] **NUCLEIC ACIDS AND METHODS FOR DETECTING CHROMOSOMAL ABNORMALITIES**
[54] **ACIDES NUCLEIQUES ET PROCEDES DE DETECTION D'ANOMALIES CHROMOSOMIQUES**
[72] MANN, TOBIAS, US
[72] WANG, HENG, US
[72] KIM, JUNG H., US
[72] SEKEDAT, MATTHEW, US
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[71] PEERLESS CHAIN COMPANY, US
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[54] **SYSTEME MODULAIRE DE MANIPULATION DE LIQUIDES**
[72] LAPHAM, KYLE, US
[72] KIM, TONY HYUN, US
[72] BREMNER, CHRISTOPHER, US
[71] COUNSYL, INC., US
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[54] **FORWARD SCANNING SONAR SYSTEM AND METHOD WITH ANGLED FAN BEAMS**
[54] **SYSTEME ET PROCEDE DE SONAR A BALAYAGE VERS L'AVANT A FAISCEAUX EN EVENTAIL INCLINES**
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[54] **ANALYSE DE MODELES DE FRAGMENTATION D'ADN ACELLULAIRE**
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[72] CHIU, ROSSA WAI KWUN, CN
[72] CHAN, KWAN CHEE, CN
[72] JIANG, PEIYONG, CN
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[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DES FIBRES OBTENUES PAR UN PROCEDE ELECTROHYDRODYNAMIQUE, PRESENTANT UN TEMPS DE SEJOUR AMELIORE SUR LE SITE D'APPLICATION**
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[72] ROMERO, MARTIN EDUARDO SANTOCILDES, GB
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[54] **JOINT D'ARTICULATION DESTINE A UN ENSEMBLE DE SUSPENSION DE VEHICULE**
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[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
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[54] **RECIPIENT DE STOCKAGE POUR VEHICULE**
[72] ROY, NICOLAS, CA
[72] DUBOIS, DIDIER, CA
[72] CREPEAU, JEAN-PHILIPPE, CA
[72] BERNIER, DANY, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
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[54] **PRODUIT DE SCELLEMENT BIOADHESIF COMPOSITE**
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[72] PINKAS, ODED, IL
[71] TECHNOLOGY INNOVATION MOMENTUM FUND (ISRAEL) LIMITED PARTNERSHIP, IL
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[71] APOLLO ENERGY SERVICES CORP., CA
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[54] **DISPOSITIF D'EVALUATION DE POSITION D'HOTE ET PROCEDE D'EVALUATION DE POSITION D'HOTE**
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[72] YAMAGUCHI, ICHIRO, JP
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[54] **PROCEDE ET DISPOSITIF DE DETECTION D'OBJET**
[72] FANG, FANG, JP
[72] UEDA, HIROTOSHI, JP
[72] NANRI, TAKUYA, JP
[71] NISSAN MOTOR CO., LTD., JP
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[71] SHARP KABUSHIKI KAISHA, JP
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[54] **PROCEDE DE COMMANDE DE MOTEUR ET DISPOSITIF DE COMMANDE D'ENTRAINEMENT DE VEHICULE**
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[71] NISSAN MOTOR CO., LTD., JP
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[54] **NOUVEL ANTIBIOTIQUE AMINOGLYCOSIDIQUE EFFICACE CONTRE LES BACTERIES RESISTANTES A PLUSIEURS MEDICAMENTS**
[72] TAKAHASHI, YOSHIHAKI, JP
[72] UMEMURA, EIJIRO, JP
[72] IDA, TAKASHI, JP
[72] IGARASHI, MASAYUKI, JP
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[72] INOUE, FUTOSHI, JP
[72] TERAMOTO, SHOKICHI, JP
[71] KITAZATO CORPORATION, JP
[71] NATURAL ART RESEARCH INSTITUTE, LTD., JP
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[71] TORAY INDUSTRIES, INC., JP
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[72] YOKOMACHI, NAOYA, JP
[72] UEDA, YUKI, JP
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[72] WARD, DONNA T., US
[72] WOOSTER, RICHARD, US
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[72] WEBBER, BEAU, US
[72] MCIVOR, SCOTT R., US
[72] LARGAESPADA, DAVID, US
[72] CHOUDHRY, MODASSIR, US
[72] ROSENBERG, STEVEN A., US
[72] PALMER, DOUGLAS C., US
[72] RESTIFO, NICHOLAS P., US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[71] INTIMA BIOSCIENCES, INC., US
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[54] **METHODE D'EVALUATION D'ECG BASEE SUR UN SYSTEME DE NOTATION UNIVERSEL**
[72] CHAYKOVSKYY, ILLYA ANATOLIIOVYCH, UA
[72] BUDNYK, MYKOLA MYKOLAIOVYCH, UA
[72] STARYNSKA, GANNA ANATOLIIVNA, UA
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[71] SUMMIT AGRO USA, LLC, US
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[72] WELLS, KEVIN D., US
[72] WHITWORTH, KRISTIN M., US
[71] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US
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[54] **SYSTEME INFORMATISE ET PROCEDE PERMETTANT D'ETABLIR ET DE VENDRE DES DROITS CONTRACTUELS SUR UNE PRODUCTION CREATIVE**
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[54] **PROCEDE ET APPAREIL DESTINES A UN ALIGNEMENT ET UN DEPOT CONTROLES DE FIBRE ELECTROFILEE RAMIFIEE**
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[72] SNOW, WILLIAM PAUL, US
[71] UNIVERSITY OF CENTRAL OKLAHOMA, US
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[54] **SOUCHE DE BACILLUS METHYLOTROPHICUS ET PROCEDE D'UTILISATION DE LA SOUCHE POUR AUGMENTER LA RESISTANCE A LA SECHERESSE D'UNE PLANTE**
[72] JABAJI, SUHA, CA
[72] GAGNE-BOURQUE, FRANCOIS, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
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[72] CARLSON, JULIAN PAUL, CA
[72] SCHEBEL, DEAN DAVID, CA
[71] 1010210 B.C. LTD., CA
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[54] **SYSTEMES ET PROCEDES D'ECLAIRAGE INTELLIGENT POUR LA SURVEILLANCE, L'ANALYSE ET L'AUTOMATION DE L'ENVIRONNEMENT BATI**
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[71] 10353744 CANADA LTD., CA
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[54] **METHODE POUR LE TRAITEMENT DES MALADIES DES PLANTES**
[72] GUIROLA CRUZ, OSMANY, CU
[72] BORRAS HIDALGO, ORLANDO, CU
[72] GONZALEZ LOPEZ, LUIS JAVIER, CU
[72] UBIETA GOMEZ, RAIMUNDO, CU
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[54] **SYSTEME DE FILTRATION UTILISANT UNE SOUPAPE DE REGULATION DE DEBIT ACTIONNEE**
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[72] LIU, LI, US
[72] SHEN, MIN-JUI RICHARD, US
[72] SALATHIA, NEERAJ, US
[72] STEPHENS, KATHRYN M., US
[72] JAGER, ANNE, US
[72] WILSON, TIMOTHY, US
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[54] **PROCEDES DE PREPARATION DE NANOCRISTAUX DE CELLULOSE A FONCTIONNALITE AMINE ET DE NANOFIBRES DE CARBONE DOPEES A L'AZOTE**
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[72] WU, XINYUN, CA
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[72] BERRY, RICHARD, CA
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[54] **COQUES EXTENSIBLES A FOND OUVERT ET PROCEDES ASSOCIES POUR LA CONSTRUCTION DE PILIER DE SUPPORT**
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[54] **VITRE SERVANT D'ANTENNE DE VEHICULE OU VITRE SERVANT D'ANTENNE DE VEHICULE POUR UN SYSTEME DE PEAGE ROUTIER**
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[72] OFFERMANN, VOLKMAR, DE
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[54] **LENTILLE PLATE EN FORME DE COIN ET PROCEDE DE TRAITEMENT D'IMAGE**
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[71] NISSAN MOTOR CO., LTD., JP
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[54] **TRAVEL CONTROL METHOD AND TRAVEL CONTROL APPARATUS**
[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF DE COMMANDE DE DEPLACEMENT ET DISPOSITIF DE COMMANDE DE DEPLACEMENT**
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[71] NISSAN MOTOR CO., LTD., JP
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[54] **CAPSULE DE NETTOYAGE D'UNE MACHINE DE PREPARATION DE BOISSONS ET PROCEDE DE NETTOYAGE D'UNE CHAMBRE A INFUSION**
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[72] PAHNKE, JAN, DE
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[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF DE COMMANDE DE DEPLACEMENT, ET DISPOSITIF DE COMMANDE DE DEPLACEMENT**
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[54] **PROCEDE DE FABRICATION D'UN PANNEAU DE PAROI OU DE SOL DECORE**
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[71] AKZENTA PANEELE + PROFILE GMBH, DE
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[54] **SYSTEME DE PILES A COMBUSTIBLE**
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[72] YAGUCHI, TATSUYA, JP
[71] NISSAN MOTOR CO., LTD., JP
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[54] **TRAVEL CONTROL METHOD AND TRAVEL CONTROL APPARATUS**
[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF DE COMMANDE DE DEPLACEMENT, ET DISPOSITIF DE COMMANDE DE DEPLACEMENT**
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[72] SMITH, BRIAN, US
[72] FUTRAL, DAN, US
[72] DYGERT, DOUG, US
[71] RING CONTAINER TECHNOLOGIES, LLC, US
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[54] **STORAGE-BATTERY EVALUATION DEVICE, ENERGY STORAGE SYSTEM, AND STORAGE-BATTERY EVALUATION METHOD**
[54] **DISPOSITIF D'EVALUATION DE BATTERIE DE STOCKAGE, SYSTEME DE STOCKAGE D'ENERGIE ET PROCEDE D'EVALUATION DE BATTERIE DE STOCKAGE**
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[54] **COMPOSITION DE BACTERIES LACTIQUES DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT D'INFECTIONS DUES A PROPIONIBACTERIUM ACNES ET EN PARTICULIER POUR L'ACNE**
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[71] PROBIOTICAL S.P.A., IT
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[72] KHALILI, KAVEH, US
[71] ROCKY RESEARCH, US
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[54] **HEATER UNIT, STEERING WHEEL AND METHOD OF MANUFACTURING HEATER UNIT**
[54] **UNITE DE CHAUFFAGE, VOLANT ET PROCEDE DE PRODUCTION D'UNITE DE CHAUFFAGE**
[72] WADA, AKIFUMI, JP
[72] SAITO, MASATSUGU, JP
[72] NAITO, YUKI, JP
[71] KURABE INDUSTRIAL CO., LTD., JP
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[54] **COOLING STRUCTURE FOR DYNAMO-ELECTRIC MACHINE**
[54] **STRUCTURE DE REFROIDISSEMENT POUR MACHINE DYNAMOELECTRIQUE**
[72] MANABE, TOMOYUKI, JP
[72] OKUYAMA, TAKENARI, JP
[71] NISSAN MOTOR CO., LTD., JP
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[54] **COMPOSITION ET PROCEDE ANTIPARASITAIRES**
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[72] SHIMOKAWATOKO, YASUTAKA, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
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[25] EN
[54] **METHOD FOR PRODUCING KISS CUT FLUID FLOW FIELD PLATES**
[54] **PROCEDE DE PRODUCTION DE PLAQUES DE CHAMP D'ECOULEMENT DE FLUIDE DECOUPEES PAR EFFLEUREMENT**
[72] JONES, THOMAS DAVID, CA
[72] BITTON, MICHEL MEYER, CA
[71] ENERGYOR TECHNOLOGIES INC., CA
[71] JONES, THOMAS DAVID, CA
[71] BITTON, MICHEL MEYER, CA
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[54] **A DEVICE FOR PASSIVE NUCLEAR REACTOR PROTECTION**
[54] **DISPOSITIF DE PROTECTION PASSIVE DE REACTEUR NUCLEAIRE**
[72] SLESAREV, IGOR SERGEEVICH, RU
[72] LEONOV, VIKTOR NIKOLAEVICH, RU
[72] KUBINTSEV, BORIS BORISOVICH, RU
[72] RODINA, ELENA ALEKSANDROVNA, RU
[72] CHERNOBROVKIN, YURIY VASILEVICH, RU
[72] SHEVCHENKO, ALEKSEY BORISOVICH, RU
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[51] **Int.Cl. C12Q 1/68 (2018.01)**
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[54] **SINGLE NUCLEOTIDE POLYMORPHISM IN HLA-B*15:02 AND USE THEREOF**
[54] **POLYMORPHISME MONONUCLEOTIDIQUE DANS HLA-B*15:02 ET SON UTILISATION**
[72] MORENO, TANYA, US
[72] FANG, HUA, US
[72] XU, XIEQUN, US
[72] DEDEK, MATTHEW, US
[72] KAUR, KULVI, US
[71] MILLENNIUM HEALTH, LLC, US
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[30] US (62/186,219) 2015-06-29
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[54] **METHOD FOR MANUFACTURING AN AMMONIUM PHOSPHATE FERTILIZER HAVING LOW CADMIUM CONTENT**
[54] **PROCEDE DE FABRICATION D'UN ENGRAIS A BASE DE PHOSPHATE D'AMMONIUM PRESENTANT UNE TENEUR REDUITE EN CADMIUM**
[72] SAMRANE, KAMAL, MA
[72] KHOULOUD, MEHDI, MA
[72] KOSSIR ABDELAALI, MA
[71] OCP SA, MA
[85] 2018-01-24
[86] 2016-08-03 (PCT/MA2016/000012)
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[54] **FTO INHIBITORS**
[54] **INHIBITEURS DE FTO**
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[72] PENG, SHIMING, CN
[71] NATIONAL INSTITUTE OF BIOLOGICAL SCIENCES, BEIJING, CN
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[54] **ADAPTIVE MAGNETIC SUSPENSION OF VEHICLE WITH ADJUSTMENT OF LIFTING POWER**
[54] **SUSPENSION MAGNETIQUE REGLABLE D'UN VEHICULE DE TRANSPORT A CORRECTION DE FORCE DE LEVAGE**
[72] AMOSKOV, VIKTOR MIHAYLOVICH, RU
[72] ARSLANOVA, DAR'YA NIKOLAEVNA, RU
[72] BELOV, ALEKSANDR VYACHESLAVOVICH, RU
[72] BELYAKOV, VALERIY ARKAD'EVICH, RU
[72] VASIL'EV, VYACHESLAV NIKOLAEVICH, RU
[72] KAPARKOVA, MARINA VIKTOROVNA, RU
[72] KOROTKOV, VLADIMIR ALEKSANDROVICH, RU
[72] KUKHTIN, VLADIMIR PETROVICH, RU
[72] LAMZIN, EVGENIY ANATOL'EVICH, RU
[72] LARIONOV, MIHAIL SERGEEVICH, RU
[72] MIKHAYLOV, VALERIY MIKHAYLOVICH, RU
[72] NEZHENTSEV, ANDREY NIKOLAEVICH, RU
[72] RODIN, IGOR' YUR'EVICH, RU
[72] SYCHEVSKIY, SERGEY EVGEN'EVICH, RU
[72] FILATOV, OLEG GENNADIEVICH, RU
[72] FIRSOV, ALEKSEY ANATOL'EVICH, RU
[72] SHATIL', NIKOLAY ALEKSANDROVICH, RU
[72] GLUKHIKH, VASILIY ANDREEVICH, RU
[72] ZAYTSEV, ANATOLIY ALEKSANDROVICH, RU
[71] JOINT STOCK COMPANY "D.V. EFREMOV INSTITUTE OF ELECTROPHYSICAL APPARATUS", RU
[71] JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS" ("SCIENCE AND INNOVATIONS", JSC), RU
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[54] **AMELIORATIONS APPORTEES A UN PIEU DE SUPPORT**
[72] TATE, RODNEY JAMES, AU
[71] FERAL PTY LTD, AU
[85] 2018-01-22
[86] 2016-07-28 (PCT/AU2016/000264)
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[25] EN
[54] **METHOD, SYSTEM, AND APPARATUS FOR ALTERING ELECTRONIC CERTIFICATES AND PROCESSING DATA EXCHANGE**
[54] **PROCEDE, SYSTEME ET APPAREIL POUR MODIFIER DES CERTIFICATS ELECTRONIQUES ET TRAITER UN ECHANGE DE DONNEES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084563)
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[51] **Int.Cl. G06Q 20/08 (2012.01)**
[25] EN
[54] **METHOD, SYSTEM, AND DEVICE FOR ELECTRONIC CERTIFICATE MODIFICATION AND DATA EXCHANGE AND PROCESSING**
[54] **PROCEDE, SYSTEME ET DISPOSITIF DE MODIFICATION DE CERTIFICAT ELECTRONIQUE AINSI QUE D'ECHANGE ET DE TRAITEMENT DE DONNEES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084562)
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[25] EN
[54] **ONLINE FUNDS MANAGEMENT METHOD, AND DATA INTERACTION PROCESSING METHOD AND DEVICE**
[54] **PROCEDE DE GESTION DE FONDS EN LIGNE AINSI QUE PROCEDE ET DISPOSITIF DE TRAITEMENT D'INTERACTION DE DONNEES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084565)
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[54] **ONLINE FUNDS MANAGEMENT METHOD, AND DATA INTERACTION PROCESSING METHOD AND DEVICE**
[54] **PROCEDE DE GESTION DE FONDS EN LIGNE, AINSI QUE PROCEDE ET DISPOSITIF DE TRAITEMENT D'INTERACTION DE DONNEES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084566)
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[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE SETTING METHOD, DATA INTERACTION PROCESSING METHOD, AND DEVICE AND SYSTEM THEREFOR**
[54] **PROCEDE D'ETABLISSEMENT DE CERTIFICAT ELECTRONIQUE, PROCEDE DE TRAITEMENT D'INTERACTION DE DONNEES, ET DISPOSITIF ET SYSTEME ASSOCIES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084569)
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[54] **ELECTRONIC CERTIFICATE SETTING METHOD, DATA INTERACTION PROCESSING METHOD, AND DEVICE AND SYSTEM THEREFOR**
[54] **PROCEDE DE GESTION DE FONDS EN LIGNE, PROCEDE DE TRAITEMENT D'INTERACTION DE DONNEES, AINSI QUE DISPOSITIF ET SYSTEME ASSOCIES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084570)
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[54] **ONLINE FUNDS MANAGEMENT METHOD, DATA INTERACTION PROCESSING METHOD, AND DEVICE AND SYSTEM THEREFOR**
[54] **PROCEDE DE GESTION DE FONDS EN LIGNE, PROCEDE DE TRAITEMENT D'INTERACTION DE DONNEES, ET DISPOSITIF ET SYSTEME ASSOCIES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084571)
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[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **DATA PROCESSING METHOD AND SYSTEM FOR SUBSTITUTED ISSUING OF ELECTRONIC CERTIFICATE, AND MONEY MANAGEMENT SERVER**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE DONNEES POUR EMISSION SUBSTITUEE DE CERTIFICAT ELECTRONIQUE ET SERVEUR DE GESTION D'ARGENT**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084575)
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[51] **Int.Cl. C01B 17/62 (2006.01) C01B 35/12 (2006.01) C02F 1/58 (2006.01) C02F 1/70 (2006.01)**
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[54] **DECHLORINATION COMPOSITIONS, COMPRESSED SOLIDS FORMED THEREFROM, AND METHODS OF PREPARING THE SAME**
[54] **COMPOSITIONS DE DECHLORATION, SOLIDES COMPRIMES FORMES A PARTIR DE CELLES-CI, ET LEURS PROCEDES DE PREPARATION**
[72] KAREIS, CHRISTOPHER M., US
[71] EAGLE US 2 LLC, US
[85] 2018-01-24
[86] 2016-07-22 (PCT/US2016/043569)
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[25] EN
[54] **METHODS FOR PREPARATION OF BILE ACIDS AND DERIVATIVES THEREOF**
[54] **PROCEDES DE PREPARATION D'ACIDES BILIAIRES ET DE LEURS DERIVES**
[72] PELLICCIARI, ROBERTO, IT
[72] GIOIELLO, ANTIMO, IT
[71] INTERCEPT PHARMACEUTICALS, INC., US
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[51] **Int.Cl. A61L 27/50 (2006.01) A61L 27/26 (2006.01) A61L 27/52 (2006.01) A61L 27/56 (2006.01)**
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[54] **VASCULAR CAST-BASED SCAFFOLDS AND METHODS OF MAKING THE SAME**
[54] **ECHAFAUDAGES VASCULAIRES A BASE DE COULEE ET LEURS PROCEDES DE FABRICATION**
[72] YOO, JAMES, US
[72] KO, IN KAP, US
[72] HULING, JENNIFER, US
[72] ATALA, ANTHONY, US
[71] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US
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[25] EN
[54] **CHAIN WEAR MONITORING DEVICE**
[54] **DISPOSITIF DE SURVEILLANCE D'USURE DE CHAINE**
[72] FROST, CHARLES C., US
[71] FROST TECH LLC, US
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[54] **FOOTWEAR HAVING A SOLE WITH A PLURALITY OF CHAMBERS**
[54] **ARTICLE CHAUSSANT AYANT UNE SEMELLE POURVUE D'UNE PLURALITE DE CHAMBRES**
[72] SCOFIELD, ROBERT KENT, US
[72] LEE, SANGMIN, US
[71] CHINOOK ASIA LLC, US
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[51] **Int.Cl. B01F 17/34 (2006.01) B01F 17/00 (2006.01) C08F 2/32 (2006.01)**
[25] EN
[54] **CONTINUOUS ADIABATIC INVERSE EMULSION POLYMERIZATION PROCESS**
[54] **PROCEDE DE POLYMERISATION PAR EMULSION INVERSE ADIABATIQUE CONTINUE**
[72] KANE, JAMES, US
[72] DURHAM, JAMES F., US
[71] TECHNOLOGY INVESTMENT & DEVELOPMENT, LLC, US
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[25] EN
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[54] **COMPOSITIONS DE DECHLORATION, SOLIDES COMPRIMES FORMES A PARTIR DE CELLES-CI, ET LEURS PROCEDES DE PREPARATION**
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[71] EAGLE US 2 LLC, US
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[51] **Int.Cl. G06Q 20/10 (2012.01)**
[25] EN
[54] **METHOD, SERVER, TERMINAL, AND SYSTEM FOR CHANGING PERIOD OF VALIDITY OF ELECTRONIC CERTIFICATE**
[54] **PROCEDE, SERVEUR, TERMINAL ET SYSTEME POUR CHANGER LA PERIODE DE VALIDITE D'UN CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
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[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MODIFYING IN STAGES EACH STAGE OF PERIOD OF VALIDITY OF ELECTRONIC CERTIFICATE**
[54] **PROCEDE ET SYSTEME POUR MODIFIER, PAR ETAPES, CHAQUE STADE D'UNE PERIODE DE VALIDITE D'UN CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084585)
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[51] **Int.Cl. G06Q 20/00 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **FUND MANAGEMENT SERVER, DATA PROCESSING METHOD AND SYSTEM FOR CERTIFICATE ISSUES AND INVITATION**
[54] **SERVEUR DE GESTION DE FONDS, PROCEDE DE TRAITEMENT DE DONNEES ET SYSTEMES D'INVITATION A LA DELIVRANCE DE CERTIFICAT**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084586)
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[51] **Int.Cl. B02C 21/00 (2006.01) B02C 23/14 (2006.01) B03B 9/00 (2006.01)**
[25] EN
[54] **PROCESS FOR LIBERATING AND SEPARATING SLACK MIDDLING OBTAINED FROM COKING**
[54] **PROCEDE DE LIBERATION ET DE SEPARATION DE MIXTES DE FINES DE CHARBON OBTENUS A PARTIR DE LA COKEFACTION**
[72] GUI, XIAHUI, CN
[72] CAO, YIJUN, CN
[72] XING, YAOWEN, CN
[72] YANG, ZILI, CN
[72] XU, XUEHONG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
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[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHYLATION PATTERN ANALYSIS OF HAPLOTYPES IN TISSUES IN DNA MIXTURE**
[54] **ANALYSE DE MOTIFS DE METHYLATION D'HAPLOTYPES DANS DES TISSUS DANS UN MELANGE D'ADN**
[72] LO, YUK-MING DENNIS, CN
[72] CHAN, KWAN CHEE, CN
[72] CHIU, ROSSA WAI KWUN, CN
[72] JIANG, PEIYONG, CN
[72] SUN, KUN, CN
[71] THE CHINESE UNIVERSITY OF HONG KONG, CN
[85] 2018-01-22
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[54] **CERTIFICATE ISSUING SERVER, AND DATA PROCESSING METHOD AND SYSTEM FOR ISSUING CERTIFICATE VIA INVITATION OF CERTIFICATE RECEIVING BANK**
[54] **SERVEUR DE DELIVRANCE DE CERTIFICAT, ET PROCEDE ET SYSTEME DE TRAITEMENT DE DONNEES POUR DELIVRER UN CERTIFICAT PAR L'INTERMEDIAIRE D'UNE INVITATION D'UNE BANQUE DE RECEPTION DE CERTIFICAT**
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[71] 10353744 CANADA LTD., CA
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[54] **SEAU DE LAVAGE POUR NETTOYER ET ESSORER UN BALAI A PLAT**
[72] HUANG, ZHIYONG, CN
[71] CIXI BOSHENG PLASTIC CO., LTD, CN
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[54] **DATA PROCESSING METHOD, APPARATUS, AND SERVER FOR SETTING UP FIXED VALUE ELECTRONIC CERTIFICATES**
[54] **PROCEDE, APPAREIL ET SERVEUR DE TRAITEMENT DE DONNEES PERMETTANT D'ETABLIR DES CERTIFICATS ELECTRONIQUES DE VALEUR FIXE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
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[54] **NON-ORIENTED ELECTRICAL STEEL SHEET AND METHOD OF PRODUCING SAME**
[54] **TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS NON ORIENTES ET PROCEDE DE FABRICATION DE CETTE DERNIERE**
[72] ODA, YOSHIHIKO, JP
[72] NAKANISHI, TADASHI, JP
[72] OKUBO, TOMOYUKI, JP
[72] ZAIZEN, YOSHIAKI, JP
[72] NAKAJIMA, HIROAKI, JP
[71] JFE STEEL CORPORATION, JP
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[54] **ZOLPIDEM COMPOSITION AND PROCESS FOR PREPARING THE SAME**
[54] **COMPOSITION DE ZOLPIDEM ET SON PROCEDE DE PREPARATION**
[72] CHAUDHARI, MAHENDRA B., IN
[72] WADHWANI, JAGDISH S., IN
[72] CHAUDHARI, AMOL Y., IN
[72] KATE, SUJATA S., IN
[71] ATHENA DRUG DELIVERY SOLUTIONS PVT LTD., IN
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[54] **PLANT DISEASE CONTROL COMPOSITION AND PLANT DISEASE CONTROL METHOD**
[54] **COMPOSITION DE LUTTE CONTRE LES MALADIES DES PLANTES, ET PROCEDE DE LUTTE CONTRE LES MALADIES DES PLANTES**
[72] HIROTOMI, DAI, JP
[72] SHIMOKAWATOKO, YASUTAKA, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2018-01-22
[86] 2016-07-27 (PCT/JP2016/072074)
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[54] **COMPOSITIONS AND METHODS FOR MEASURING BLOOD GLUCOSE LEVELS**
[54] **COMPOSITIONS ET PROCEDES DE MESURE DE LA GLYCEMIE**
[72] GUTTMAN, CHEN HAIM, IL
[72] BARAM, DAVID, IL
[72] GOFBERG, ITAMAR OZ, IL
[72] OMER, DOTAN, IL
[71] SMARTZYME BIOPHARMA LTD., IL
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[54] **PLANT DISEASE CONTROL COMPOSITION AND PLANT DISEASE CONTROL METHOD**
[54] **COMPOSITION PHYTOSANITAIRE ET PROCEDE ASSOCIE**
[72] TAKANOHASHI, FUMINA, JP
[72] HIRAO, AYAKO, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2018-01-22
[86] 2016-07-27 (PCT/JP2016/072076)
[87] (WO2017/018467)
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[54] **FORMULATION FOR SOFT ANTICHOLINERGIC ANALOGS**
[54] **PREPARATION POUR ANALOGUES D'ANTICHOLINERGIQUES A POTENTIEL MODERE**
[72] BODOR, NICHOLAS S., US
[72] KOLENG, JOHN J., US
[72] ANGULO, DAVID, US
[71] BODOR LABORATORIES, INC., US
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[54] **CURABLE BENZOXAZINE COMPOSITIONS**
[54] **COMPOSITIONS DE BENZOXAZINE DURCISSABLES**
[72] LE, DONG, US
[72] KINCAID, DEREK, US
[72] WANG, DONG, US
[72] RECHICHAR, BRADLEY, US
[71] HUNTSMAN ADVANCED MATERIALS AMERICAS LLC, US
[85] 2018-01-22
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[54] **AGENT FOR TREATING AND/OR PREVENTING ADULT T CELL LEUKEMIA/LYMPHOMA**
[54] **AGENT THERAPEUTIQUE ET/OU PROPHYLACTIQUE POUR LYMPHOME/LEUCEMIE DE LYMPHOCYTE T ADULTE**
[72] WATANABE, TOSHIKI, JP
[72] YAMAGISHI, MAKOTO, JP
[72] KANNO, OSAMU, JP
[72] WATANABE, JUN, JP
[72] ADACHI, NOBUAKI, JP
[72] HONMA, DAISUKE, JP
[72] HAMADA, YOSHITO, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[71] THE UNIVERSITY OF TOKYO, JP
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[54] **PROCESS FOR PREPARING PRIDOPIDINE**
[54] **PROCEDE DE PREPARATION DE PRIDOPIDINE**
[72] BAREL, OFFIR, IL
[72] LIDOR-HADAS, RAMY, IL
[72] GOTTESFELD, RONEN, IL
[72] MIZRAHI, OREL YOSEF, IL
[72] BERGH, ANDERS OLOF INGEMAR, SE
[72] NGUYEN, BA-VU, SE
[71] TEVA PHARMACEUTICALS INTERNATIONAL GMBH, CH
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[54] **FORMING DEVICE**
[54] **DISPOSITIF DE MOULAGE**
[72] SAIKA, MASAYUKI, JP
[72] ISHIZUKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[72] MIYAZAKI, SHUJI, JP
[72] MORITANI, KOJI, JP
[72] YAMAMOTO, TAIZO, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
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[54] **FORMING DEVICE AND FORMING METHOD**
[54] **DISPOSITIF DE MOULAGE ET PROCEDE DE MOULAGE**
[72] SAIKA, MASAYUKI, JP
[72] ISHIZUKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
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[54] **INTEGRATED PIPING CONDUIT WITH ADAPTOR DEVICE AND METHOD**
[54] **CONDUIT A TUYAUTERIE INTEGREE A DISPOSITIF D'ADAPTATEUR ET PROCEDE**
[72] CROMPTON, DAVID, US
[72] DIAS, LIBARDO, US
[71] QUICK FITTING, INC., US
[85] 2018-01-22
[86] 2015-07-23 (PCT/US2015/041701)
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[54] **COMBINATION THERAPY USING ACAMPROSATE AND D-CYCLOSERINE**
[54] **THERAPIE COMBINEE UTILISANT DE L'ACAMPROSATE ET DE LA D-CYCLOSERINE**
[72] JOHNS, STEVEN L., US
[72] ERICKSON, CRAIG A., US
[71] CONFLUENCE PHARMACEUTICALS, LLC, US
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[54] **COMPOSITIONS COMPRISING S1P RECEPTOR MODULATORS**
[54] **COMPOSITIONS COMPRENANT DES MODULATEURS DE RECEPTEURS DE S1P**
[72] GILL, GURMIT S., AU
[72] GROBELNY, DAMIAN W, AU
[71] AKAAL PHARMA PTY LTD, AU
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[86] 2016-08-11 (PCT/AU2016/050732)
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[54] **CELL MEASUREMENT METHOD**
[54] **PROCEDE DE MESURE DE CELLULES**
[72] NANJO, YUKO, JP
[72] ASANO, HIROYUKI, JP
[72] MIYAGAWA, ISAO, JP
[72] TAKADA, YOSHIO, JP
[71] KURASHIKI BOSEKI KABUSHIKI KAISHA, JP
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[54] **SYSTEME DE COMMANDE DE POMPE A ECONOMIE D'ENERGIE SANS CAPTEUR GRAPHIQUE EN TEMPS REEL AVANCE**
[72] CHENG, ANDREW A., US
[72] GU, JAMES J., US
[72] PATEL, PRADIPKUMAR B., US
[72] SCHOENHEIT, KYLE D., US
[71] FLUID HANDLING LLC, US
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[54] **DISPOSITIF DE DISTRIBUTION D'AEROSOL A CHAUFFAGE RADIANT**
[72] CHANG, YI-PING, US
[72] DAVIS, MICHAEL F., US
[72] SEARS, STEPHEN BENSON, US
[72] TALUSKIE, KAREN V., US
[72] PIKE, SUSAN K., US
[72] WATSON, NICHOLAS HARRISON, US
[72] REYNOLDS, STEPHEN C., US
[71] RAI STRATEGIC HOLDINGS, INC., US
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[54] **ROUTE GUIDANCE DEVICE AND ROUTE GUIDANCE METHOD**
[54] **DISPOSITIF DE GUIDAGE ROUTIER ET PROCEDE DE GUIDAGE ROUTIER**
[72] NAKAJIMA, TOSHIHARU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-24
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[54] **MERCHANDISER AND METHODS RELATING TO SAME**
[54] **PRESENTOIR ET PROCEDES ASSOCIES A CELUI-CI**
[72] TURNER, CHRISTOPHER J., US
[72] FLUEGGE, CRAIG A., US
[71] RETAIL SPACE SOLUTIONS LLC, US
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[54] **YOGURT CRISP AND METHOD FOR MAKING SAME**
[54] **ALIMENT CROUSTILLANT AU YAOURT ET SON PROCEED DE FABRICATION**
[72] DIERMEIER, DONNA JAN, US
[72] FAA, PIERRE, US
[72] WILSON, EMILY, US
[71] FRITO-LAY NORTH AMERICA, INC., US
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[54] **SHEET-TYPE MOLDED BODY, AND LAMINATE**
[54] **ARTICLE MOULE DE TYPE FEUILLE ET STRATIFIE**
[72] FUJIWARA, TAKANORI, JP
[71] ZEON CORPORATION, JP
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[86] 2016-07-25 (PCT/JP2016/071776)
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[54] **ANTHRACENE-9, 10-DIONE DIOXIME COMPOUNDS PRODRUGS AND THEIR USES**
[54] **PROMEDICAMENTS DE COMPOSES D'ANTHRACENE-9,10-DIONE ET LEURS UTILISATIONS**
[72] VANKAYALAPATI, HARIPRASAD M., US
[72] LIU, XIAOHUI, US
[72] SHARMA, SUNIL, US
[72] KASIBHATLA, SRINIVAS, US
[72] REDDY, SEELAM VENKATA, IN
[71] BETA CAT PHARMACEUTICALS, INC., US
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[25] EN
[54] **TRKB OR TRKC AGONIST COMPOSITIONS AND METHODS FOR THE TREATMENT OF OTIC CONDITIONS**
[54] **COMPOSITIONS D'AGONISTE TRKB OU TRKC ET METHODES DE TRAITEMENT DE TROUBLES OTIQUES**
[72] SARAGOVI, HORACIO URI, CA
[72] PIU, FABRICE, US
[72] FOSTER, ALAN, US
[72] BLACK, KRISTENANN, US
[71] OTONOMY, INC., US
[71] SARAGOVI, HORACIO URI, CA
[85] 2018-01-24
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[54] **ELEMENT DE RECEPTION MONTE SUR UNE PAROI**
[72] LECHUGA, GABRIEL V., US
[72] LECHUGA, ALEX, US
[71] LECHUGA, GABRIEL V., US
[71] LECHUGA, ALEX, US
[85] 2018-01-24
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[25] EN
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[54] **OLIGONUCLEOTIDES CIBLES**
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[72] MAYER, GUNTER, DE
[72] MIGLARESE, MARK, US
[72] SPETZLER, DAVID, US
[71] CARIS SCIENCE, INC., US
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[54] **NATURAL LANGUAGE NAVIGATION AND ASSISTED VIEWING OF INDEXED AUDIO VIDEO STREAMS, NOTABLY SPORTS CONTESTS**
[54] **NAVIGATION ET VISUALISATION ASSISTEE EN LANGAGE NATUREL DE FLUX AUDIO-VIDEO INDEXES, NOTAMMENT DE COMPETITIONS SPORTIVES**
[72] SIMPSON, JASON, US
[72] PRINTZ, HARRY WILLIAM, US
[71] PROMPTU SYSTEMS CORPORATION, US
[85] 2018-01-24
[86] 2016-07-29 (PCT/US2016/044734)
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[30] US (62/199,933) 2015-07-31
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR HERBICIDE TOLERANCE IN PLANTS**
[54] **PROCEDES ET COMPOSITIONS POUR LA TOLERANCE AUX HERBICIDES DANS DES PLANTES**
[72] EVDOKIMOV, ARTEM G., US
[72] LARUE, CLAYTON T., US
[72] MOSHIRI, FARHAD, US
[72] ZHOU, XUEFENG, US
[72] REAM, JOEL E., US
[71] MONSANTO TECHNOLOGY LLC, US
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[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01)**
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[54] **THERAPIES COMBINATOIRES POUR LE TRAITEMENT DU CANCER**
[72] BEARSS, DAVID J., US
[72] WARNER, STEVEN L., US
[72] WHATCOTT, CLIFFORD J., US
[72] KIM, WONTAK, US
[71] TOLERO PHARMACEUTICALS, INC., US
[85] 2018-01-24
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[87] (WO2017/024073)
[30] US (62/200,499) 2015-08-03

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[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 3/0481 (2013.01) G06F 3/048 (2013.01)**
[25] EN
[54] **METHOD FOR ARCHIVING A COLLABORATION SESSION WITH A MULTIMEDIA DATA STREAM AND VIEW PARAMETERS**
[54] **PROCEDE PERMETTANT L'ARCHIVAGE D'UNE SESSION DE COLLABORATION AVEC UN FLUX DE DONNEES MULTIMEDIA ET DES PARAMETRES DE VISUALISATION**
[72] NOYES, PETER, US
[72] LEE, RICHARD, US
[72] JACOB, DON, US
[71] BLUEBEAM, INC., US
[85] 2018-01-24
[86] 2016-08-12 (PCT/US2016/046898)
[87] (WO2017/027846)
[30] US (62/204,921) 2015-08-13

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[13] A1
[51] **Int.Cl. A61K 31/135 (2006.01) A61K 31/137 (2006.01)**
[25] EN
[54] **METHODS OF TREATING LENNOX-GASTAUT SYNDROME USING FENFLURAMINE**
[54] **METHODES DE TRAITEMENT DE SYNDROME DE LENNOX-GASTAUT A L'AIDE DE FENFLURAMINE**
[72] FARR, STEPHEN J., US
[72] GALER, BRADLEY S., US
[71] ZOGENIX INTERNATIONAL LIMITED, GB
[85] 2018-01-24
[86] 2016-08-24 (PCT/US2016/048470)
[87] (WO2017/035267)
[30] US (62/209,090) 2015-08-24

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[51] **Int.Cl. A61F 5/37 (2006.01) A61F 5/04 (2006.01) A61F 5/048 (2006.01) A61F 5/05 (2006.01) A61F 5/058 (2006.01) A61F 5/50 (2006.01)**
[25] EN
[54] **MEDICAL PROTECTIVE AND EXERCISE RESTRAINT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE PROTECTION MEDICALE ET DE CONTRAINTE PENDANT DES EXERCICES**
[72] PAVINI, MARIE, US
[71] PAVINI, MARIE, US
[85] 2018-01-24
[86] 2016-08-15 (PCT/US2016/047090)
[87] (WO2017/031077)
[30] US (62/205,298) 2015-08-14

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[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01)**
[25] EN
[54] **HETEROGENEOUS ZIEGLER-NATTA CATALYSTS WITH FLUORIDED SILICA-COATED ALUMINA**
[54] **CATALYSEURS ZIEGLER-NATTA HETEROGENES COMPRENANT DE L'ALUMINE REVETUE DE SILICE FLUOREE**
[72] DING, ERRUN, US
[72] YANG, QING, US
[72] GUATNEY, LLOYD W, US
[72] GRECO, JEFFREY F, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2018-01-24
[86] 2016-09-22 (PCT/US2016/053054)
[87] (WO2017/053534)
[30] US (14/863,575) 2015-09-24

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[13] A1
[51] **Int.Cl. B25B 15/00 (2006.01) B25B 21/00 (2006.01) B25B 23/00 (2006.01) F16B 23/00 (2006.01)**
[25] EN
[54] **TAPERED LOBULAR DRIVER AND FASTENER**
[54] **DISPOSITIF D'ENTRAINEMENT ET DISPOSITIF DE FIXATION LOBULAIRES EFFILES**
[72] LUKES, RICHARD W., US
[72] BLAESS, DONALD K., US
[72] RISKIN, SEAN, US
[71] INFASTECH INTELLECTUAL PROPERTIES PTE. LTD., SG
[85] 2018-01-24
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[30] US (62/206,555) 2015-08-18

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[51] **Int.Cl. C08F 210/16 (2006.01)**
[25] EN
[54] **HETEROGENEOUS ZIEGLER-NATTA CATALYSTS WITH FLUORIDED SILICA-COATED ALUMINA**
[54] **CATALYSEURS ZIEGLER-NATTA HETEROGENES COMPRENANT DE L'ALUMINE REVETUE DE SILICE FLUOREE**
[72] DING, ERRUN, US
[72] GRECO, JEFFREY F., US
[72] YANG, QING, US
[72] YU, YOULU, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2018-01-24
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[30] US (14/863,698) 2015-09-24

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[51] **Int.Cl. C08J 5/18 (2006.01) C12N 5/077 (2010.01) A61L 27/38 (2006.01) A61L 27/40 (2006.01) B29C 47/00 (2006.01) C12M 3/04 (2006.01)**
[25] EN
[54] **FLUIDIC SYSTEMS, DEVICES AND METHODS FOR INDUCING ANISOTROPY IN POLYMERIC MATERIALS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES FLUIDIQUES PERMETTANT D'INDUIRE UNE ANISOTROPIE DANS DES MATERIAUX POLYMERES**
[72] LENG, LIAN, CA
[72] GRAINGER, STEPHANIE, US
[72] CHAIKOF, ELLIOT L., US
[72] GUENTHER, AXEL, CA
[72] MIRANDA NIEVES, DAVID, US
[72] MALLADI, SHASHI, CA
[72] CHENG, RICHARD, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[71] BETH ISRAEL DEACONESS MEDICAL CENTRE, INC., US
[85] 2018-01-25
[86] 2016-07-22 (PCT/CA2016/050869)
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[30] US (62/197,405) 2015-07-27

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[51] **Int.Cl. G06Q 20/16 (2012.01)**
[25] EN
[54] **INTERBANK PAYMENT SYSTEM AND INTERBANK PAYMENT METHOD**
[54] **SYSTEME ET PROCEDE DE PAIEMENT INTERBANCAIRE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-25
[86] 2014-08-06 (PCT/CN2014/083829)
[87] (WO2016/019532)

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[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD USED FOR BUILDING INTERNET TRANSACTION PLATFORM**
[54] **SYSTEME ET PROCEDE UTILISES POUR CONSTRUIRE UNE PLATEFORME DE TRANSACTION INTERNET**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-25
[86] 2014-08-06 (PCT/CN2014/083835)
[87] (WO2016/019533)

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[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **ONLINE PAYMENT SYSTEM AND ONLINE PAYMENT SYSTEM-BASED SOCIAL NETWORKING PLATFORM CONSTRUCTION METHOD**
[54] **SYSTEME DE PAIEMENT EN LIGNE ET PROCEDE DE CONSTRUCTION DE PLATE-FORME DE RESEAU SOCIAL FONDEE SUR LE SYSTEME DE PAIEMENT EN LIGNE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-25
[86] 2014-08-06 (PCT/CN2014/083837)
[87] (WO2016/019534)

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[13] A1
[51] **Int.Cl. A62B 17/00 (2006.01)**
[25] EN
[54] **PROTECTIVE GARMENT WITH FUNCTIONAL WINDOW**
[54] **VETEMENT DE PROTECTION COMPRENANT FENETRE FONCTIONNELLE**
[72] GOOI, PATRICK, CA
[72] GOOI, ADRIAN, CA
[72] WARRIAN, KEVIN, CA
[71] GOOI, PATRICK, CA
[71] GOOI, ADRIAN, CA
[71] WARRIAN, KEVIN, CA
[85] 2018-01-25
[86] 2016-07-27 (PCT/CA2016/050878)
[87] (WO2017/015756)
[30] US (62/197,942) 2015-07-28

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[51] **Int.Cl. G06Q 20/12 (2012.01) G06Q 20/16 (2012.01)**
[25] EN
[54] **MAILBOX PAYMENT METHOD AND MAILBOX PAYMENT SYSTEM**
[54] **PROCEDE DE PAIEMENT PAR BOITE AUX LETTRES ET SYSTEME DE PAIEMENT PAR BOITE AUX LETTRES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-01-25
[86] 2014-08-06 (PCT/CN2014/083839)
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[51] **Int.Cl. G05D 13/62 (2006.01) A62C 37/00 (2006.01) F04D 15/00 (2006.01)**
[25] EN
[54] **SELF-REGULATING OPEN CIRCUIT PUMP UNIT**
[54] **UNITE DE POMPE A CIRCUIT OUVERT AUTOREGULATEUR**
[72] THOMSEN, PETER, CA
[71] S.A. ARMSTRONG LIMITED, CA
[85] 2018-01-25
[86] 2016-11-25 (PCT/CA2016/051392)
[87] (WO2017/214701)
[30] US (62/350,038) 2016-06-14

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[51] **Int.Cl. G03B 21/00 (2006.01) G03B 21/14 (2006.01) G03B 21/53 (2006.01)**
[25] EN
[54] **IMAGE PROJECTION DEVICE**
[54] **DISPOSITIF DE PROJECTION D'IMAGE**
[72] REBOT, NATALIE ROSANNA, CA
[71] MOONLITE WORLD INC., CA
[85] 2018-01-25
[86] 2017-06-16 (PCT/CA2017/000152)
[87] (WO2017/214710)
[30] US (62/351,506) 2016-06-17
[30] US (15/217,067) 2016-07-22

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[51] **Int.Cl. C07D 251/18 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 251/26 (2006.01)**
[25] EN
[54] **1,3,5-TRIAZINE DERIVATIVE AND METHOD OF USING SAME**
[54] **DERIVE 1,3,5-TRIAZINE ET SA METHODE D'UTILISATION**
[72] ZHAO, NA, CN
[72] WANG, SHULONG, CN
[72] LIU, XIJIE, CN
[72] HU, YUANDONG, CN
[72] ZHANG, HUI, CN
[72] LUO, HONG, CN
[72] PENG, YONG, CN
[72] HAN, YONGXIN, CN
[72] ZHANG, XIQUAN, CN
[72] XU, HONGJIANG, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[71] LIANYUNGANG RUNZHONG PHARMACEUTICAL CO., LTD., CN
[71] CENTAURUS BIOPHARMA CO., LTD., CN
[85] 2018-01-25
[86] 2016-07-29 (PCT/CN2016/092254)
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[30] CN (201510459126.X) 2015-07-30

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[13] A1
[51] **Int.Cl. H02B 11/00 (2006.01)**
[25] EN
[54] **CIRCUIT BREAKER RACKING SYSTEM**
[54] **SYSTEME DE SUPPORT DE DISJONCTEUR**
[72] DE LAETER, RICHARD, AU
[72] SHYSHONKOV, EDWARD, AU
[71] KENTAN PTY LTD, AU
[85] 2018-01-25
[86] 2016-07-20 (PCT/AU2016/000257)
[87] (WO2017/024330)
[30] AU (2015903217) 2015-08-12

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[51] **Int.Cl. E21B 17/00 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **WELL CASING AND WELL CASING SYSTEM AND METHOD**
[54] **TUBAGE DE PUITS ET SYSTEME ET PROCEDE DE TUBAGE DE PUITS**
[72] SPEER, IAN, AU
[72] STRANGE, WARREN, JE
[71] STRADA DESIGN LIMITED, JE
[85] 2018-01-25
[86] 2016-08-01 (PCT/AU2016/050692)
[87] (WO2017/015727)
[30] AU (2015903040) 2015-07-30

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[51] **Int.Cl. H01R 4/48 (2006.01) H01R 13/187 (2006.01)**
[25] EN
[54] **CONTACT LAMELLA PART AND PLUG CONNECTOR WITH CONTACT LAMELLA PART**
[54] **PIECE A LAMES DE CONTACT ET CONNECTEUR POURVU D'UNE PIECE A LAMES DE CONTACT**
[72] WOLLITZER, MICHAEL, DE
[72] MAIER, CHRISTIAN, DE
[71] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE
[85] 2018-01-25
[86] 2016-08-23 (PCT/EP2016/001423)
[87] (WO2017/054896)
[30] DE (20 2015 006 807.3) 2015-09-29

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[51] **Int.Cl. C07K 16/08 (2006.01) A61K 39/00 (2006.01) A61K 39/42 (2006.01) C07K 14/005 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **ANTIBODIES THAT POTENTLY NEUTRALIZE HEPATITIS B VIRUS AND USES THEREOF**
[54] **ANTICORPS A FORT POTENTIEL NEUTRALISANT VIS-A-VIS DU VIRUS DE L'HEPATITE B ET LEURS UTILISATIONS**
[72] CORTI, DAVIDE, CH
[71] HUMABS BIOMED SA, CH
[85] 2018-01-25
[86] 2016-10-07 (PCT/EP2016/074114)
[87] (WO2017/060504)
[30] EP (PCT/EP2015/001970) 2015-10-07

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[51] **Int.Cl. B42D 25/455 (2014.01) B42D 25/351 (2014.01) B42D 25/46 (2014.01)**
[25] EN
[54] **A SECURITY SHEET FOR AN IDENTITY DOCUMENT**
[54] **FEUILLE DE SECURITE POUR UNE PIECE D'IDENTITE**
[72] SUGDON, MATTHEW CHARLES, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2018-01-25
[86] 2016-10-04 (PCT/GB2016/053078)
[87] (WO2017/060683)
[30] GB (1517562.3) 2015-10-05

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[13] A1
[51] **Int.Cl. B42D 25/30 (2014.01) B42D 25/23 (2014.01) B42D 25/24 (2014.01) B42D 25/455 (2014.01)**
[25] EN
[54] **A METHOD FOR MANUFACTURING A SECURITY SHEET AND AN INSERT FOR INCORPORATION INTO A SECURITY SHEET**
[54] **PROCEDE DE FABRICATION DE FEUILLE DE SECURITE, ET INSERT A INCORPORER DANS UNE FEUILLE DE SECURITE**
[72] SUGDON, MATTHEW, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2018-01-25
[86] 2016-10-04 (PCT/GB2016/053083)
[87] (WO2017/060688)
[30] GB (1517559.9) 2015-10-05

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[51] **Int.Cl. G06F 19/16 (2011.01) G06F 19/22 (2011.01) C12N 9/16 (2006.01) C12N 9/18 (2006.01)**
[25] EN
[54] **STABLE PROTEINS AND METHODS FOR DESIGNING SAME**
[54] **PROTEINES STABLES ET PROCEDES POUR LEUR CONCEPTION**
[72] FLEISHMAN, SAREL, IL
[72] GOLDEN/WEIG, ADI, IL
[72] TAWFIK, DAN S., IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2018-01-25
[86] 2016-07-25 (PCT/IL2016/050812)
[87] (WO2017/017673)
[30] US (62/197,598) 2015-07-28
[30] US (62/337,992) 2016-05-18

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[13] A1
[51] **Int.Cl. G06F 17/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE CREATION AND USE OF VISUALLY- DIVERSE HIGH-QUALITY DYNAMIC VISUAL DATA STRUCTURES**
[54] **SYSTEME ET PROCEDE DE CREATION ET D'UTILISATION DE STRUCTURES DE DONNEES VISUELLES DYNAMIQUES DE HAUTE QUALITE VISUELLEMENT DIFFERENTES**
[72] BEN-AHARON, RONI, IL
[72] ABRAHAMI, NADAV, IL
[71] WIX.COM LTD., IL
[85] 2018-01-25
[86] 2016-07-31 (PCT/IB2016/054602)
[87] (WO2017/017663)
[30] US (62/198,725) 2015-07-30
[30] US (62/247,766) 2015-10-29
[30] US (62/367,151) 2016-07-27

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[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01) G06F 3/048 (2013.01) G06F 15/16 (2006.01)**
[25] EN
[54] **SYSTEM INTEGRATING A MOBILE DEVICE APPLICATION CREATION, EDITING AND DISTRIBUTION SYSTEM WITH A WEBSITE DESIGN SYSTEM**
[54] **SYSTEME INTEGRANT UN SYSTEME DE CREATION, DE MODIFICATION ET DE DISTRIBUTION D'APPLICATIONS POUR DISPOSITIFS MOBILES AVEC UN SYSTEME DE CONCEPTION DE SITES WEB**
[72] KOL, TAL, IL
[72] COCOS, NOAM, IL
[72] ALMOG, NOAM, IL
[72] SHERWIN, REUVEN J., IL
[71] WIX.COM LTD., IL
[85] 2018-01-25
[86] 2016-07-31 (PCT/IB2016/054604)
[87] (WO2017/017664)
[30] US (62/198,725) 2015-07-30
[30] US (62/247,766) 2015-10-29

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[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01)**
[25] EN
[54] **ROUTE SEARCHING DEVICE AND ROUTE SEARCHING METHOD**
[54] **DISPOSITIF ET PROCEDE DE RECUPERATION D'ITINERAIRE**
[72] OKUYAMA, TAKESHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-25
[86] 2015-07-27 (PCT/JP2015/071219)
[87] (WO2017/017756)

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[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01) G08G 1/0969 (2006.01)**
[25] EN
[54] **ROUTE GUIDANCE DEVICE AND ROUTE GUIDANCE METHOD**
[54] **DISPOSITIF DE GUIDAGE ROUTIER ET PROCEDE DE GUIDAGE ROUTIER**
[72] NAKAJIMA, TOSHIHARU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-25
[86] 2015-07-27 (PCT/JP2015/071235)
[87] (WO2017/017760)

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[13] A1
[51] **Int.Cl. A01N 63/00 (2006.01) A01M 1/20 (2006.01) A01N 43/40 (2006.01) A01N 43/56 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **PLANT DISEASE CONTROL COMPOSITION AND PLANT DISEASE CONTROL METHOD**
[54] **COMPOSITION DE LUTTE CONTRE LES MALADIES DES PLANTES, ET PROCEDE DE LUTTE CONTRE LES MALADIES DES PLANTES**
[72] HIROTOMI, DAI, JP
[72] SHIMOKAWATOKO, YASUTAKA, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2018-01-25
[86] 2016-07-27 (PCT/JP2016/072073)
[87] (WO2017/018464)
[30] JP (2015-147696) 2015-07-27
[30] JP (2015-250245) 2015-12-22

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[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) C21D 6/00 (2006.01) C21D 8/02 (2006.01) C21D 9/46 (2006.01) C22C 38/52 (2006.01)**
[25] EN
[54] **HIGH A1-CONTENT VIBRATION-DAMPING FERRITIC STAINLESS STEEL MATERIAL, AND PRODUCTION METHOD**
[54] **MATERIAU D'ACIER INOXYDABLE A BASE DE FERRITE A TENEUR ELEVEE EN AL DOTE DE PROPRIETES D'AMORTISSEMENT, ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] HORI, YOSHIAKI, JP
[72] IMAKAWA, KAZUNARI, JP
[72] SUZUKI, SATOSHI, JP
[71] NISSHIN STEEL CO., LTD., JP
[85] 2018-01-25
[86] 2016-08-10 (PCT/JP2016/073547)
[87] (WO2017/030064)
[30] JP (2015-160307) 2015-08-17

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[13] A1
[51] **Int.Cl. A61K 45/00 (2006.01) A61K 31/22 (2006.01) A61K 31/7016 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **DEVELOPMENT OF DIETARY THERAPY IN CANCER**
[54] **DEVELOPPEMENT DE THERAPIE DIETETIQUE DANS LE CANCER**
[72] HAGIHARA, KEISUKE, JP
[72] ASHIDA, KINYA, JP
[72] TONOUCHI, HIDEKAZU, JP
[72] NAKAMURA, KENTARO, JP
[71] OSAKA UNIVERSITY, JP
[71] MEIJI CO., LTD., JP
[85] 2018-01-25
[86] 2016-09-02 (PCT/JP2016/004023)
[87] (WO2017/038101)
[30] JP (2015-175198) 2015-09-04

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[13] A1
[51] **Int.Cl. B02C 17/16 (2006.01) B01F 13/10 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN GRINDING MILLS**
[54] **PERFECTIONNEMENTS APPORTES A DES BROYEURS**
[72] HEATH, ALEX, AU
[72] BELKE, JEFFREY VICTOR, AU
[72] JAMIESON, EDWARD ALLAN, AU
[71] OUTOTEC (FINLAND) OY, FI
[71] SWISS TOWER MILLS MINERALS AG, CH
[85] 2018-01-25
[86] 2016-07-27 (PCT/FI2016/050545)
[87] (WO2017/017315)
[30] AU (2015903008) 2015-07-28

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[13] A1
[51] **Int.Cl. A63F 1/00 (2006.01)**
[25] EN
[54] **GAMES OF CHANCE**
[54] **JEUX DE HASARD**
[72] TREPP, WARREN, US
[72] SULLIVAN, JAMES R., US
[72] HAMMOND, JOHN M., US
[71] TREPP ENTERPRISES, INC., US
[85] 2018-01-25
[86] 2016-06-17 (PCT/US2016/038175)
[87] (WO2016/205708)
[30] US (62/182,100) 2015-06-19
[30] US (62/306,547) 2016-03-10

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[13] A1
[51] **Int.Cl. A23L 2/66 (2006.01)**
[25] EN
[54] **VEGETABLE HEALTH DRINK**
[54] **BOISSON SANTE VEGETALE**
[72] TRIANTAFYLLOU, ANGELIKI, GR
[71] OATLY AB, SE
[85] 2018-01-25
[86] 2016-07-29 (PCT/SE2016/000040)
[87] (WO2017/018917)
[30] SE (1500321-3) 2015-07-30
[30] SE (1600124-0) 2016-04-05

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[13] A1
[51] **Int.Cl. F16B 13/00 (2006.01)**
[25] EN
[54] **SUPPORT FOR EMBEDDING OBJECT IN CONCRETE**
[54] **SUPPORT POUR ENCASTRER UN OBJET DANS DU BETON**
[72] GILMAN, ANDREW, US
[71] GILMAN CONSTRUCTION SOLUTIONS, LLC, US
[85] 2018-01-25
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[54] **SYSTEM AND METHOD FOR RECOVERING DESIRED MATERIALS FROM FINES IN INCINERATOR ASH**
[54] **SYSTEME ET PROCEDE DE RECUPERATION DE MATERIAUX DESIRES A PARTIR DE FINES DANS DES CENDRES D'INCINERATEUR**
[72] VALERIO, THOMAS, US
[71] TAV HOLDINGS, INC., US
[85] 2018-01-25
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[54] **TRAVEL CONTROL METHOD AND TRAVEL CONTROL APPARATUS**
[54] **PROCEDE DE COMMANDE DE DISPOSITIF DE COMMANDE DE DEPLACEMENT ET DISPOSITIF DE COMMANDE DE DEPLACEMENT**
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[72] SHINO, TATSUYA, JP
[71] NISSAN MOTOR CO., LTD., JP
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[54] **APPAREIL DE CUISSON DOTE DE GRILLE DE CUISSON A CONTACT DIRECT**
[72] EVERETT, DAVID WILLIAM, JR., US
[72] MARSCHIKE, KARL WARNER, US
[71] SPECTRUM BRANDS, INC., US
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[72] KELLEY, RICHARD W., US
[72] SCHMIDT, MARCUS N., US
[72] COLLINS, DAVID E., US
[71] MUNICIPAL PARKING SERVICES INC., US
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[25] EN
[54] **COMPOUNDS AND PHARMACEUTICAL COMPOSITION ASSOCIATED WITH UBIQUITINATION-PROTEASOME SYSTEM**
[54] **COMPOSES ET COMPOSITION PHARMACEUTIQUE ASSOCIEE AU SYSTEME D'UBIQUITINATION-PROTEASOME**
[72] YEN, YUN, US
[72] LIOU, JING-PING, TW
[72] PAN, SHIOW-LIN, TW
[71] TAIPEI MEDICAL UNIVERSITY, TW
[85] 2018-01-25
[86] 2016-07-30 (PCT/US2016/044932)
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[54] **INTEGRATED MOBILE PARKING APPLICATION AND SMART PARKING METER SYSTEM**
[54] **APPLICATION DE STATIONNEMENT MOBILE ET INTEGREE ET SYSTEME DE PARCMETRES INTELLIGENTS**
[72] MORAN, MARK J., US
[72] KELLEY, RICHARD W., II, US
[72] COLLINS, DAVID E., JR., US
[72] LANE, STEVEN B., US
[72] BALDWIN, CHRISTOPHER W., US
[72] SCHMIDT, MARCUS N., US
[72] LEIER, JOHN T., US
[72] BUI, IAN T., US
[72] PANDIAN, UMARANI, US
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[54] **STIMULATION DE LA MOELLE EPINIERE AVEC COURANT INTERFERENTIEL**
[72] CARROLL, WILLIAM J., US
[71] MEAGAN MEDICAL, INC., US
[85] 2018-01-25
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[54] **SYSTEM AND METHOD FOR RECOVERING DESIRED MATERIALS AND PRODUCING CLEAN AGGREGATE FROM INCINERATOR ASH**
[54] **SYSTEME ET PROCEDE DE RECUPERATION DE MATERIAUX SOUHAITES ET DE PRODUCTION D'AGREGAT PROPRE A PARTIR DE CENDRES D'INCINERATEUR**
[72] VALERIO, THOMAS, US
[71] TAV HOLDINGS, INC., US
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[54] **AGENTS DE NEUTRALISATION DE TYPE AMINES LOURDES POUR LA PRODUCTION D'OLEFINES OU DE STYRENE**
[72] ARNST, THEODORE, US
[72] TOMAR, NEETU, IN
[71] ECOLAB USA INC., US
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[72] LALICKI, JOREL, US
[72] BARRON, ROBERT, US
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[71] VITAL VIO, INC., US
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[54] **PROCEDES POUR FACILITER DES ARTHROPLASTIES TOTALES DU GENOU ALIGNEES CINEMATIQUEMENT INDIVIDUALISEES ET DISPOSITIFS ASSOCIES**
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[72] DOSSETT, HAROLD GENE, US
[71] ITKR SOFTWARE LLC, US
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[54] **TILTING PAD BEARING ASSEMBLIES; BEARING APPARATUSES AND METHODS OF USING THE SAME**
[54] **ENSEMBLES PALIERS A PATINS INCLINABLES, ET APPAREILS ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] GONZALEZ, JAIR J., US
[71] US SYNTHETIC CORPORATION, US
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[54] **COMPOSITIONS AND METHODS FOR TREATING ALOPECIA**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DE L'ALOPECIE**
[72] WEINSTEIN, DAVID, US
[71] RIVER TOWN THERAPEUTICS, INC., US
[85] 2018-01-25
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[54] **SYSTEME DE REGULATION DE GLUCOSE A ADAPTATION AUTOMATIQUE DE CIBLE DE GLUCOSE**
[72] EL-KHATIB, FIRAS, US
[72] DAMIANO, EDWARD, US
[72] RUSSELL, STEVEN J., US
[71] TRUSTEES OF BOSTON UNIVERSITY, US
[71] THE GENERAL HOSPITAL CORPORATION, US
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[72] THOMPSON, JEREMY SCOTT, US
[71] WAL-MART STORES, INC., US
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[54] **BABY BOTTLE WITH INTERIOR CONTAINER FOR FEEDING LIQUID AND OUTER CONTAINER FOR HEATING LIQUID**
[54] **BIBERON DOTE D'UN CONTENANT INTERIEUR DE LIQUIDE ALIMENTAIRE ET D'UN CONTENANT EXTERIEUR SERVANT A CHAUFFER LE LIQUIDE**
[72] MILLER, CORINNE L., CA
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[54] **APPARATUS AND METHOD FOR ENCODING/DECODING FOR HIGH-FREQUENCY BANDWIDTH EXTENSION**
[54] **SYSTEME ET METHODES PERMETTANT D'AMELIORER LA PRECISION DE RECONNAISSANCE DE LA PAROLE**
[72] CHOO, KI-HYUN, KR
[72] OH, EUN MI, KR
[72] SUNG, HO-SANG, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **AIRPORT SECURITY CHECK SYSTEM AND METHOD THEREFOR**
[54] **SYSTEME DE VERIFICATION POUR LA SECURITE AEROPORTUAIRE ET PROCEDE ASSOCIE**
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[72] IRMINGER, RENAUD, CH
[71] SITA INFORMATION NETWORKING COMPUTING IRELAND LIMITED, IE
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[54] **PROCEDE, APPAREIL ET SYSTEME DE TRANSFERT INTERCELLULAIRE DANS UN SYSTEME DE COMMUNICATION PRENANT EN CHARGE UNE AGREGATION DE PORTEUSES**
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[71] SONY CORPORATION, JP
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[54] **OPTIMISATION DE LA LECTURE DE MEDIAS**
[72] STEELBERG, CHAD, US
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[72] KETCHUM, RUSSELL KEVIN, US
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[54] **POLYTHERAPIE PAR UN AGENT ANTI-HYALURONANE ET UN TAXANE CIBLANT UNE TUMEUR**
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[72] SHEPARD, H. MICHAEL, US
[72] THOMPSON, CURTIS B., US
[71] HALOZYME, INC., US
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[54] **MODULATEURS SELECTIFS DU RECEPTEUR DE SPHINGOSINE-1-PHOSPHATE ET PROCEDES DE SYNTHESE CHIRALE**
[72] MARTINBOROUGH, ESTHER, US
[72] BOEHM, MARCUS F., US
[72] YEAGER, ADAM RICHARD, US
[72] TAMIYA, JUNKO, US
[72] HUANG, LIMING, US
[72] BRAHMACHARY, ENUGURTHI, US
[72] MOORJANI, MANISHA, US
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[72] BROOKS, JENNIFER L., US
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[71] PARATEK PHARMACEUTICALS, INC., US
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[54] **HYALURONANE MODIFIE ET SES UTILISATIONS DANS LE TRAITEMENT DU CANCER**
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[71] NATIONAL CHENG KUNG UNIVERSITY, TW
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[54] **PYRIMIDINYL AND 1,3,5-TRIAZINYL BENZIMIDAZOLES AND THEIR USE IN CANCER THERAPY**
[54] **PYRIMIDINYL ET 1,3,5-TRIAZINYL BENZIMIDAZOLES ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] REWCASTLE, GORDON WILLIAM, NZ
[72] TSANG, KIT YEE, NZ
[72] GAMAGE, SWARNALATHA AKURATIYA, NZ
[72] GIDDENS, ANNA CLAIRE, NZ
[71] MEI PHARMA, INC., US
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[54] **ENTRELACEUR DE BITS POUR MOT DE CODE DE VERIFICATION DE PARITE FAIBLE DENSITE AYANT UNE LONGUEUR DE 16200 ET UN TAUX DE CODE DE 4/15 ET MAPPAGE DE SYMBOLE 16, ET METHODE D'ENTRELACEMENT DE BITS ASSOCIEE**
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[54] **OPTICAL METHOD AND APPARATUS FOR DETERMINING A CHARACTERISTIC SUCH AS VOLUME AND DENSITY OF AN EXCAVATED VOID IN A CONSTRUCTION MATERIAL**
[54] **PROCEDE ET APPAREIL OPTIQUES POUR DETERMINER UNE CARACTERISTIQUE TELLE QU'UN VOLUME ET UNE DENSITE D'UN VIDE EXCAVE DANS UN MATERIAU DE CONSTRUCTION**
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[71] TROXLER ELECTRONIC LABORATORIES, INC., US
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[54] **MODULAR LIGHTING SYSTEM USING HANGERS AND POWER BARS**
[54] **SYSTEME D'ECLAIRAGE MODULAIRE EMPLOYANT DES SUPPORTS ET DES BARRES D'ALIMENTATION**
[72] SONNEMAN, ROBERT A., US
[71] SONNEMAN, ROBERT A., US
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[54] **LCD SOURCE DRIVER FEEDBACK SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RETROACTION DE DISPOSITIF DE PILOTAGE DE SOURCE LCD**
[72] LEMONS, CHARLES, US
[72] BAEK, GARY, US
[72] PRESTON, STEVE, US
[72] WILLIAMS, DAVID, US
[71] AMERICAN PANEL CORPORATION, INC., US
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[54] **SYSTEME D'ECLAIRAGE MODULAIRE EMPLOYANT DES SUPPORTS ET DES BARRES D'ALIMENTATION**
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[54] **SYSTEME D'ECLAIRAGE MODULAIRE EMPLOYANT DES SUPPORTS ET DES BARRES D'ALIMENTATION**
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[54] **BLOCS DE PAROI, PANNEAUX DE PLACAGE DESTINES A DES BLOCS DE PAROI ET PROCEDE DE CONSTRUCTION DE PAROIS**
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[54] **A SYSTEM AND METHOD USING NEAR AND FAR FIELD ULF AND ELF INTERFEROMETRY SYNTHETIC APERTURE RADAR FOR SUBSURFACE IMAGING**
[54] **SYSTEME ET PROCEDE UTILISANT UN RADAR A OUVERTURE SYNTHETIQUE D'INTERFEROMETRIE ULF ET ELF EN CHAMPS PROCHE ET ELOIGNE POUR IMAGERIE SOUTERRAINE**
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[72] PAYTON, ROBERT, US
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[54] **DISPOSITIF LAME DE BALAYAGE REGLABLE ET ENSEMBLE LAME DE BALAYAGE**
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[72] MICHEL, STEPHAN, CA
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[54] **SYSTEMES ET PROCEDES POUR DETERMINER QU'UN DISPOSITIF DE JEU COMMUNIQUE AVEC UN SERVEUR DE JEU**
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[54] **TISSUE RETRACTION AND VERTEBRAL DISPLACEMENT DEVICES, SYSTEMS, AND METHODS FOR POSTERIOR SPINAL FUSION**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE RETRACTION TISSULAIRE ET DE DEPLACEMENT VERTEBRAL POUR FUSION SPINALE POSTERIEURE**
[72] REITBLAT, ABRAM, US
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[54] **WAGON ET MECANISME DE PORTES CONNEXE**
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[72] ITOH, MASAO, JP
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[54] **CIRCUITOUS BAND NEEDLE CHANGING APPARATUS**
[54] **DISPOSITIF DE REMPLACEMENT D'AIGUILLE A BANDE A PARCOURS SINUEUX**
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[72] CONSTANTINEAU, COLE, US
[72] SCHOONMAKER, RYAN, US
[72] BATES, JAMES, US
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[72] TAYLOR, MARGARET, US
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[71] THRU TUBING SOLUTIONS, INC., US
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[54] **PROCEDE ET APPAREIL POUR ISOLER ET TRAITER DES ZONES DISCRETES A L'INTERIEUR D'UN PUITS DE FORAGE**
[72] INGRAM, GARY D., US
[72] FRIEND, WILLIAM D., JR., US
[72] FAGLEY, WALTER STONE THOMAS, IV, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **ELECTROCHEMICAL METABOLIC ACTIVITY DETECTING DEVICE**
[54] **DISPOSITIF DE DETECTION D'ACTIVITE METABOLIQUE ELECTROCHIMIQUE**
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[72] SARGENT, EDWARD HARTLEY, CA
[72] BESANT, JUSTIN DAVID, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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Index of Canadian Patents Issued

February 20, 2018

Index des brevets canadiens délivrés

20 février 2018

8 RIVERS CAPITAL, LLC 2,811,940
AAKEROY, CHRISTER BJORN 2,796,271
ABB OY 2,874,364
ABB SCHWEIZ AG 2,817,821
ABBOTT MEDICAL OPTICS INC. 2,725,385
ABBOTT MOLECULAR INC. 2,691,852
ABBOTT, JODI ANN 2,842,847
ABE, TSUKASA 2,937,999
ABRAMS, GILBERT L. 2,827,476
ABS, MICHEL 2,965,643
ACCENTURE GLOBAL SERVICES LIMITED 2,703,289
ACCESSESP UK LIMITED 2,805,787
ACKERMAN, PATRICE K. 2,813,430
ACUNA, TRAVIS 2,804,457
ADLER, JON ELLIOT 2,776,701
AGBAJE, HENRY 2,576,166
AGRESEARCH LIMITED 2,626,390
AGRICULTURE VICTORIA SERVICES PTY LTD 2,626,390
AGROFRESH INC. 2,791,209
AGULNIK, ANATOLY 2,806,716
AHN, JAE-IL 2,775,670
AIKALA, LARS 2,827,820
AIR CHINA LIMITED 2,852,077
AIR CHINA LIMITED 2,852,080
AIR VENT, INC. 2,730,863
AIRBUS DS GMBH 2,844,943
AKER SUBSEA AS 2,774,878
AKZO NOBEL CHEMICALS INTERNATIONAL B.V. 2,785,438
ALBERINI, GIANLUCA 2,874,134
ALCON RESEARCH, LTD. 2,793,615
ALLAM, RODNEY JOHN 2,811,940
ALLERGAN, INC. 2,772,718
ALLISON, DAVID BLAIR 2,900,663
ALMSTETTER, MICHAEL 2,735,795
AMAN, JEAN-JACQUES 2,715,409
AMERICAN AUTOMOBILE ASSOCIATION, INC. 2,838,632
AMO GRONINGEN B.V. 2,784,794
ANDERSEN, CLAYTON R. 2,932,093
ANDERSON, THOMAS N. 2,824,991
ANDREONI, TODD 2,714,262
ANDREW, JAMES 2,812,735
ANESI, ANDREA 2,873,010
ANESI, ANDREA 2,874,134
ANGRISH, SIDDHARTH 2,829,359
ANSPAUGH, DOUGLAS D. 2,736,538
ANTONSEN, ROGER 2,731,511
ARB LABS INC. 2,843,343
ARCUS, VICKERY LAURENCE 2,626,390
ARENSDORF, BRAD 2,742,012
ARISTIDOU, ARISTOS 2,710,359
ARNOLD, DAVID ALAN 2,977,791
ARRIS ENTERPRISES LLC 2,758,267
ARRIS ENTERPRISES LLC 2,840,191
ARRIS ENTERPRISES LLC 2,846,553
ARRIS ENTERPRISES LLC 2,902,510
ARROWCORP INC. 2,781,897
ART HEALTHCARE LTD. 2,788,082
ARTECH ULTRASONIC SYSTEMS AG 2,883,473
ARVANITIS, ARGYRIOS G. 2,762,174
ARZENO, HUMBERTO BARTOLOME 2,799,328
ASCENSIA DIABETES CARE HOLDINGS AG 2,667,295
ASHURBEKOV, NARIMAN 2,706,977
ASPEN MEDICAL PARTNERS, LLC 2,959,554
ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS 2,749,772
ASTERIAS BIOTHERAPEUTICS, INC. 2,453,068
ATKINSON, ROBERT E. 2,913,897
ATTWOOD, REECE 2,786,767
AUER, THOMAS 2,879,026
AYME, ARNAUD CAMILLE 2,715,406
AYOUB, RAMY S. 2,902,510
AZAD PHARMA AG 2,748,761
AZUMA, MASAFUMI 2,843,588
BABIN, PETER 2,820,814
BACKES, ALEXANDER 2,888,022
BADDOO, GEOFFREY JAMES AKWEI 2,790,251
BADESHA, SANTOKH S. 2,879,177
BADHWAR, VINAY 2,792,926
BADOUX, DAVE 2,664,018
BAILEY, AARON 2,894,360
BAILEY, JOSEPH J. 2,824,100
BAILY, SEAN M. 2,869,776
BAIR, CASSILYN 2,793,615
BAKER HUGHES INCORPORATED 2,910,772
BAKER HUGHES INCORPORATED 2,911,033
BAKER HUGHES INCORPORATED 2,922,692
BAKER, DONALD CYRUS 2,742,065
BAKER, JAMES 2,770,617
BAKKER, WILLEM 2,788,854
BALASUBRAHMANYAM, G. 2,809,691
BALDAUF, GREG 2,711,235
BALDWIN FILTERS, INC. 2,713,215
BALL CORPORATION 2,908,181
BALL, MARK ANTHONY 2,959,367
BALTES, HERBERT 2,837,686
BANDO, MATSUO 2,743,994
BANERJEE, KASHI 2,866,666
BANNING, JEFFERY H. 2,899,057
BANNING, JEFFERY H. 2,899,062
BAO, XIAOMING 2,838,517
BAO, XIAOMING 2,838,523
BARA, BARRY 2,906,441
BARBER, TIMOTHY S. 2,964,567
BARBEYRON, TRISTAN 2,768,857
BARFOOT, DAVID ANDREW 2,914,847
BARONIAN, MIHRAN 2,748,761
BARONNET, MARIE-MADELEINE 2,841,807
BARRETT, CHRIS 2,754,023
BARSKY, LEV MICHAEL 2,731,529
BARTELMUSS, KLAUS 2,859,884
BASF SE 2,736,538
BASF SE 2,901,564
BASLER, HERMANN 2,916,004
BASU, SHIB SANKAR 2,704,518
BATEMAN, ROBERT HAROLD 2,586,857
BATESVILLE SERVICES, INC. 2,742,329
BATHE, DUNCAN P. 2,779,766
BATRAKOVA, ELENA 2,687,269
BAUEN, DANIEL 2,793,615
BAXTER, ALAN M. 2,787,423
BCE INC. 2,673,335
BEAUDOIN, DENIS 2,736,938
BECTON, DICKINSON AND COMPANY 2,714,199
BECTON, DICKINSON AND COMPANY 2,714,262
BEERS, RICHARD 2,773,665
BEERSE, PETER WILLIAM 2,784,325
BEHNAM, KEYVAN 2,690,457
BEHRENS, ANDREAS 2,888,022
BEIJING DABEINONG TECHNOLOGY GROUP CO., LTD. 2,838,517
BEIJING DABEINONG TECHNOLOGY GROUP CO., LTD. 2,838,523
BEIJING DABEINONG TECHNOLOGY GROUP CO., LTD., BIOTECH CENTER 2,838,517
BEIJING DABEINONG TECHNOLOGY GROUP CO., LTD., BIOTECH CENTER 2,838,523
BEIJING GREEN AGROSINO PLANT PROTECTION TECHNOLOGY CO., LTD. 2,838,517
BEIJING GREEN AGROSINO PLANT PROTECTION TECHNOLOGY CO., LTD. 2,838,523

BEILDER, CATHERINE BRAUTIGAM 2,901,468
BEKRENEV, ALEXANDR GRIGORIEVICH 2,937,174
BEKRENEV, ROMAN ALEXANDROVICH 2,937,174
BEKRENEVA, VERA ALEXANDROVNA 2,937,174
BELELIE, JENNIFER L. 2,871,394
BELL, GORDON ALASTAIR 2,804,730
BEN HAHA, MOHSEN 2,907,893
BEN HAHA, MOHSEN 2,911,192
BENARD, FRANCOIS 2,948,541
BENCHA INTERNATIONAL GROUP INC. 2,894,138
BENEDETTI, HELENE 2,793,794
BENNETT, IAN 2,786,521
BENSON TURTLENECK BARRIER, LLC 2,827,476
BENSON, RONALD STUART 2,836,431
BERGMANN, BERND 2,771,499
BERGQWIST, THOMAS 2,656,074
BERGVALL, BENGT ALLAN 2,716,871
BERNARD, RENE 2,784,191
BERNARD, VINCENT 2,715,409
BERNARDI, DAVID 2,812,735
BERTELSEN, MARTIN BUE 2,775,175
BERTOCCHI, LAURENT 2,841,807
BESTAOUI-SPURR, NAIMA 2,922,692
BESTE, RANDAL T. 2,915,632
BETTINZOLI, ANGELO 2,799,681
BHADURI, SUMIT 2,922,692
BHARADWAJ, VIJAY 2,829,359
BHAVSAR, RASHMI B. 2,573,471
BHP CHILE INC. 2,882,384
BI, WENJING 2,852,077
BI, WENJING 2,852,080
BIANCHINI, ELSA 2,749,772
BIEDERMANN, RANDAL BRENT 2,932,093
BIEMANS, RALPH LEON 2,816,182
BIEWENGA, TJASSE WILLEM 2,774,672
BIG STAR SANDY SHOES INC. 2,648,837
BIOMET BIOLOGICS, LLC 2,810,202
BIOSENSE WEBSTER, INC. 2,678,217
BIRABASSOV, ROUSLAN 2,706,977
BIRLA, PUNEETKUMAR 2,809,691
BISCHOF + KLEIN GMBH & CO. KG 2,843,761
BJORKQUIST, DAVID WILLIAM 2,784,325
BLACKOWIAK, STEVE 2,920,846
BLANKINSHIP, THOMAS J. 2,900,861
BLENDINGER, STEFAN 2,934,111
BLETTE, RUSSELL 2,739,837
BLOMGREN, PETER A. 2,745,871
BLUE CUBE IP LLC 2,903,760
BLUE OCEAN LABORATORIES, INC. 2,836,431
BLUEBEAM SOFTWARE, INC. 2,903,818
BLUMENSCHEIN, CHARLES 2,866,666
BLUMENTHAL, ROLAND 2,930,609
BML PRODUCTIONS, INC. 2,776,540
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 2,697,099
BODINGE, SHRADDHA ASHOK 2,808,546
BOEHRER, MANFRED 2,801,621
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 2,651,089
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 2,873,524
BOHME, SEBASTIAN 2,857,486
BOISVERT, JOSEPH CHARLES 2,804,222
BOIT, BAPTISTE 2,771,052
BOLLA, KALMAN 2,775,029
BOMBARDELLI, EZIO 2,786,780
BOMBRUN, AGNES 2,755,918
BOMIREDDY, KRISHNA SUMANTH REDDY 2,798,110
BOONE, SCOTT G. 2,869,776
BOREALIS AG 2,889,264
BORGEL BORN BOTBOL, DELPHINE 2,749,772
BORM, PIETER 2,776,939
BORM, PIETER 2,776,941
BORNAT, YANNICK 2,787,302
BOTSCHKA, ELLEN 2,754,023
BOUEY, SAMUEL GLEN 2,755,289
BOWLER, DAVID B. 2,846,553
BOWMAN, JAMES M. 2,646,990
BOYCE, TODD M. 2,690,457
BOYLES, JEFFREY STREETMAN 2,901,468
BOYNTON, JAYNE L. 2,808,387
BOZOVICH, BRUCE E. 2,966,353
BP EXPLORATION OPERATING COMPANY LIMITED 2,751,727
BRACKEN, JAMES 2,848,563
BRADAM GROUP LLC 2,581,288
BRADKEN RESOURCES PTY LIMITED 2,786,767
BRAEKKE, KRISTOFFER 2,731,511
BRASEN, ULF 2,967,264
BRAUSEN, RAY 2,726,088
BRAVO TARGET SAFETY LIMITED PARTNERSHIP 2,726,088
BRAZIER, GEOFFREY 2,777,763
BREEDEN, WINSTON 2,889,621
BREEDEN, WINSTON, III 2,863,482
BREEDEN, WINSTON, III 2,866,662
BREJ, THADDEUS T. 2,866,662
BRETON, MARCEL PHILIPPE 2,871,394
BRIAN INVESTMENTS PTY LTD 2,942,843
BRIDGES, FREDERICK REEDER 2,908,838
BRIGHTMAN, KENT H. 2,969,695
BRITANNIA PHARMACEUTICALS LIMITED 2,841,807
BROADHEAD, DOUGLAS G. 2,651,969
BRONICH, TATIANA 2,687,269
BROUGH, CHRIS 2,697,099
BROWN, CARL 2,879,026
BROWN, LANCE THOMAS 2,812,735
BROWN, OWEN 2,959,083
BROZINA, CHRIS 2,799,238
BRUCE, LARS 2,967,264
BRUCHMAN, WILLIAM C. 2,893,098
BS&B SAFETY SYSTEMS LIMITED 2,777,763
BUCKLEY, KENNETH R. 2,948,541
BUCKMAN LABORATORIES INTERNATIONAL, INC. 2,905,528
BUHLER AEROGLIDE CORPORATION 2,920,846
BUILDING MATERIALS INVESTMENT CORPORATION 2,888,825
BUILDING MATERIALS INVESTMENT CORPORATION 2,891,785
BULLERJAHN, FRANK 2,911,192
BULZACKI, ADRIAN 2,843,343
BUMBALOUGH, TIMOTHY R. 2,725,385
BURKE, STEVEN 2,959,554
BURTON, REBECCA CLAIRE 2,796,271
BUSCH, ADAM 2,761,925
BUZZA, STEPHEN A. 2,888,825
BYFIELD, GEOFFREY BRIAN 2,927,286
CADDICK, STEPHEN 2,770,617
CAKMAK, MUKERREM 2,768,218
CALARCO, ANNA 2,748,324
CALHOUN, JONATHAN A. 2,799,233
CALVERLEY, EDWARD M. 2,903,760
CAMBRIDGE POLYMER GROUP, INC. 2,679,274
CAO, YONG 2,797,401
CARDINAL IP LIMITED 2,700,325
CARLI, FABIO 2,748,761
CARMICHAEL, KIM MOIRA 2,782,035
CARPENTIER, STEPHANE 2,772,699
CARROLL, JEFFREY P. 2,799,233
CARTER, AMY E. 2,905,528
CASAUX-BIC, JEAN-MAURICE 2,790,191
CAST, WAYNE 2,889,961
CASTON, GREGORY J. 2,900,861
CATALANO, ANTHONY 2,833,344
CATARGI, BOGDAN 2,787,302
CATERINO, MARK A. 2,711,235
CATLIN, SCOTT L. 2,784,794
CATTANEO, RUBEN 2,726,312
CAYSE, RUSSELL EVAN 2,733,978
CENTRE HOSPITALIER UNIVERSITAIRE DE DIJON 2,738,209
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.) 2,768,857
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 2,784,541
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 2,787,302

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS 2,793,794
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 2,784,491
CERTAINTEED CORPORATION 2,843,851
CESSOU, ARMELLE 2,772,699
CF&I STEEL L.P., D/B/A EVRAZ ROCKY MOUNTAIN STEEL 2,857,518
CGS GROUP, LLC 2,985,633
CHAHAL, SURINDER PALL 2,782,035
CHAI, WEIXI 2,852,077
CHAI, WEIXI 2,852,080
CHANG, CHIH-YAO 2,936,720
CHANG, WEN-HSU 2,894,138
CHARLTON, STEVEN C. 2,667,295
CHARPENTIER, GILLES 2,787,302
CHAUBRON, FRANCK 2,733,246
CHEN, CHI-HAN 2,814,299
CHEN, LONG 2,893,181
CHEN, YUDONG 2,762,139
CHENG, CHI-HAN 2,886,435
CHENG, WEIGUO 2,919,656
CHEPLA, RYAN WILLIAM 2,863,482
CHEPLA, RYAN WILLIAM 2,889,621
CHEVRON ORONITE COMPANY LLC 2,738,434
CHIEZZI, ALEARDO 2,873,010
CHIEZZI, ALEARDO 2,874,134
CHHEDA, JUBEN NEMCHAND 2,785,012
CHI, YU-FEN 2,881,348
CHIELLINI, ELISABETTA 2,748,761
CHISHOLM, ROBERT F. 2,785,070
CHOI, BYEONG-DOO 2,898,152
CHOI, CHUN WAI 2,959,367
CHOI, HANGBOK 2,787,423
CHOI, JUN HWA 2,913,121
CHOI, SANG 2,894,360
CHOI, SU BONG 2,913,121
CHRISOFIX AG 2,775,029
CHRISTANDL, DIETER 2,824,946
CHRISTANDL, JOSEF 2,824,946
CHRISTENSEN, DAVID 2,779,766
CHRISTIANO, STEVEN P. 2,900,856
CHRYSLER GROUP LLC 2,812,083
CHU, AMY H. 2,667,295
CHUBBOCK, PAUL 2,860,964
CHUDASAMA, VIJAY 2,770,617
CHUNG, JIN WOOK 2,929,001
CIRBA IP INC. 2,723,511
CIRC MEDTECH LTD. 2,768,231
CLARVISTA MEDICAL, INC. 2,913,897
CLEMENCE, RICHARD 2,870,456
COLEMAN, GARY D. 2,920,519
COLIN, JEAN-CLAUDE 2,816,367
COLLADON, FABRICE 2,800,338
COLLIAS, DIMITRIS IOANNIS 2,784,325
COLLINE, RAYMOND EMMETT, II 2,849,018
COLLINS, DEIRDRE 2,714,199
COLPITTS, TRACEY 2,691,852
COLVER, PATRICK JAMES 2,782,035
COMCAST CABLE COMMUNICATIONS, LLC 2,707,170
COMENCINI, FLAVIO 2,726,312
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 2,912,646
CONDELLO, ANTHONY SALVATORE 2,879,177
CONDON, DUANE 2,906,935
CONLEY, JEFFREY RYAN 2,755,289
CONNER, STEPHEN 2,756,662
COOPER TECHNOLOGIES COMPANY 2,688,198
COPPERHEAD INDUSTRIAL INC. 2,978,755
CORDSTRAP B.V. 2,908,172
CORFE, ADAM 2,726,088
CORFE, PHILLIP 2,726,088
CORNING OPTICAL COMMUNICATIONS LLC 2,917,201
CORREC, GAEELLE 2,768,857
COULTHARD, RICHARD DANIEL JOHN 2,814,740
COUPE, DOMINIQUE 2,784,740
COZENS, NARELLE 2,868,941
CRAMER, DAVID S. 2,820,491
CREANOVA UNIVERSAL CLOSURES LTD. 2,824,728
CREWS, JAMES B. 2,922,692
CRICHTON, PETER JOHN 2,809,691
CRODA INTERNATIONAL PLC 2,782,035
CROSIGNANI, STEFANO 2,755,918
CROSS TECHNOLOGY SOLUTIONS AB 2,656,074
CROUZEN, PAULUS CAROLUS NICOLAAS 2,664,018
CRRC QIQIHAR ROLLING STOCK CO., LTD. 2,893,181
CRRC QIQIHAR ROLLING STOCK CO., LTD. DALIAN RESEARCH & DEVELOPMENT CENTER 2,893,181
CULBERTSON, DEBORAH L. 2,736,538
CUNNINGHAM, TIMOTHY J. 2,881,261
CUNNINGHAM, TIMOTHY J. 2,914,136
CURRIE, KEVIN S. 2,745,871
CUTSFORTH, INC. 2,866,386
CUTSFORTH, ROBERT S. 2,866,386
CZJZEK, MIRJAM 2,768,857
DAI, BO 2,919,899
DAIICHI SANKYO COMPANY, LIMITED 2,870,868
DAMBRINE, BRUNO JACQUES GERARD 2,784,740
DANOV, VLADIMIR 2,934,111
DARR, RICHARD C. 2,750,551
DAUNYS, GINTAUTAS 2,784,541
DAVIDSON, JAMES 2,809,691
DAVIES, BRIAN 2,942,843
DAVIS, ADRIAN FRANCIS 2,776,797
DAVIS, LAWRENCE E. 2,793,615
DAY, ROBERT 2,727,574
DE MAISTRE, EMMANUEL 2,738,209
DE NEUTER, SEBASTIEN 2,965,643
DE RENZO, DENNIS P., JR. 2,907,130
DE RENZO, DENNIS P., JR. 2,907,134
DEARINGER, DONNA 2,739,837
DECKMAN, HARRY W. 2,824,991
DEL GROSSO, STEVE C. 2,917,201
DEL SORDO, CHRISTOPER S. 2,758,267
DELMAR, LUDOVIC 2,912,614
DEMUSS, LUTZ 2,786,408
DEMUTH, HANS-ULRICH 2,735,795
DENEWETH, DONALD 2,799,238
DENHAM, MARTIN S. 2,966,353
DENISART, JEAN-LUC 2,786,499
DENLINGER, RODNEY WILMER 2,906,106
DENNY, MARK JOSEPH 2,751,727
DENOMME, RYAN CAMERON 2,836,431
DENSO-HOLDING GMBH & CO. 2,910,919
DEO, INDRANI 2,943,203
DEPASQUALE, MICHAEL 2,868,941
DEPUY SYNTHES PRODUCTS, INC. 2,781,138
DERY, BRYAN ROBERT 2,922,569
DESAI, NIRAV 2,632,353
DESHMUKH, PRASHANT 2,736,538
DESOUZA, JOHN 2,809,691
DESTINY PHARMA LIMITED 2,741,413
DEY, MICHAEL 2,841,807
DEYOUNG, JAMES P. 2,922,492
DEZELLEM, TIM 2,908,838
DI BELLA, DARIO 2,703,289
DIAFIR 2,843,536
DIAS, MAHATHELGE DILIP 2,907,491
DIAZ, CARLOS ENRIQUE 2,911,757
DICKHAUT, JOACHIM 2,736,538
DIEHL, DIRK 2,934,111
DIEHL, JEAN-LUC RENE 2,749,772
DIETRICH, AXEL 2,799,474
DIGHE, SAMPAT NAMDEO 2,809,691
DIJOUD, MARC MAURICE 2,790,191
DING, DERONG 2,838,517
DING, DERONG 2,838,523
DING, GUOCHENG 2,903,912
DINUNZIO, JAMES C. 2,697,099
DISPERSOL TECHNOLOGIES, LLC 2,697,099
DKFZ DEUTSCHES KREBSFORSCHUNGSZENTRUM, STIFTUNG DES OEFFENTLICHEN RECHTS 2,742,917
DOBLE ENGINEERING COMPANY 2,756,662
DODD, MAURICE G. 2,948,541
DOMINIK, ROBERT 2,761,925
DONDERICI, BURKAY 2,915,632
DORAWA, KLAUS 2,761,925
DORSEY, JACK 2,777,765
DOSENBACH, ERIC SAJED 2,964,567
DOUILLET, LUDOVIC ETIENNE 2,816,694
DREYER, DALE A. 2,910,225
DRUITT, RODNEY 2,824,728

Index des brevets canadiens délivrés
20 février 2018

DSM IP ASSETS B.V. 2,714,592
DU, LIGUO 2,838,523
DUECK, ERNEST GEORGE 2,581,288
DUFOUR, JASMIN 2,784,686
DUGGIRALA, PRASAD Y. 2,919,656
DUMITRU, PUIU 2,812,083
DUNCAN, JAMES 2,834,346
DUNDON, CATHERINE ASLESON 2,710,359
DUNLEAVY, PATRICK 2,764,774
DUPUIS, DARCY 2,753,589
DUPUIS, DAVID 2,772,699
DUQUE, LUIS 2,891,785
DUSTERHOFT, RONALD GLEN 2,900,663
DVIR, HAIM 2,786,279
EATON CORPORATION 2,809,497
EATON, DAVID R. 2,576,166
ECOLAB USA INC. 2,919,656
ECOLE POLYTECHNIQUE 2,784,491
EDELBROCK, ANDREW J. 2,667,295
EDLER, BERND 2,901,186
EDWARDS, NEIL FYFE 2,812,735
EFFICIENT ENERGY GMBH 2,920,598
EGAN, GERRY A. 2,915,068
EGGERS, HOLGER 2,780,189
EGGERT, THOMAS 2,784,541
EID, JOHN 2,707,600
EKL, RANDY L. 2,806,716
ELBIT SYSTEMS OF AMERICA, LLC 2,855,650
ELI LILLY AND COMPANY 2,901,468
ELIA, LIRON 2,788,082
ELIACHAR, ELIAHU 2,788,082
ELLIOTT, MATTHEW IAN 2,836,384
ELLIS, DAVID D. 2,879,422
EMBAUGH, DAVID F. 2,915,042
EMERY, NATHAN B. 2,921,565
EMPL, GUNTER 2,877,027
ENCANA CORPORATION 2,949,012
ENDURA PRODUCTS, INC. 2,928,085
ENDURA PRODUCTS, INC. 2,928,129
ENGDAHL, HENRIK 2,853,184
ENGELMANN, VOLKER 2,731,302
ENTERPRISE HOLDINGS, INC. 2,733,978
EPARS, YANN 2,786,499
ESSLER, ALICIA 2,841,869
ESTILL, DEAN 2,641,527
ETH ZURICH 2,894,784
EVONIK DEGUSSA GMBH 2,732,357
EVONIK DEGUSSA GMBH 2,918,121
EVONIK DEGUSSA GMBH 2,918,122
EVONIK ROEHM GMBH 2,808,546
EXXONMOBIL UPSTREAM RESEARCH COMPANY 2,824,991
F. HOFFMANN-LA ROCHE AG 2,799,328
F. HOFFMANN-LA ROCHE AG 2,813,089
FAGUS-GRECON GRETEN GMBH & CO. KG 2,771,499
FAIR, GLENN 2,762,139
FAKA, SOLOMON ALADJA 2,927,286
FANCHER, ROBERT, III 2,683,397
FANG, HUIYING 2,919,899
FANNES, ERIC 2,912,614
FARES, HANI 2,754,023
FELDMAN, ALEXANDER JEFFREY 2,876,688
FELDMAN, REID M. RENNY 2,710,359
FERENZ, MICHAEL 2,732,357
FERGER BORN PICARD, VERONIQUE 2,749,772
FERROSAN MEDICAL DEVICES A/S 2,775,175
FETVEDT, JEREMY ERON 2,811,940
FETZER, CHRISTOPHER M. 2,804,222
FEVOLA, MICHAEL J. 2,762,192
FILONOVA, LUBOV 2,799,328
FINKE, ANDREAS 2,813,089
FIRST QUALITY HYGIENIC, INC. 2,818,863
FISCHER, OLIVER 2,824,946
FIVES OTO S.P.A. 2,873,010
FIVES OTO S.P.A. 2,874,134
FLEXTRONICS AP, LLC 2,796,757
FLOREK, MIROSLAV 2,732,236
FLUSBERG, BENJAMIN 2,707,600
FMC TECHNOLOGIES, INC. 2,913,114
FOLMER, BEVERLY 2,762,174
FORD, COLIN 2,907,900
FORD, SHANNON 2,920,846
FORMAN-HOUSE, RITA 2,907,130
FORMAN-HOUSE, RITA 2,907,134
FORREST, JAMES OWEN 2,796,271
FORSTER, VINCENT 2,894,784
FORSYTH, NANETTE 2,690,457
FORTUNE, THOMAS R., JR. 2,770,078
FORUM ENERGY TECHNOLOGIES (UK) LIMITED 2,860,964
FOX, TODD 2,869,776
FRANCHET, JEAN-MICHEL PATRICK MAURICE 2,764,774
FRANCIS, JAMES H., JR. 2,886,122
FRANKLIN FUELING SYSTEMS, INC. 2,716,660
FRANKLIN, CURTIS J. 2,980,018
FRANTZ, MARIE CELINE 2,768,183
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,901,186
FREDERICK, LARRY D. 2,641,527
FRESENIUS MEDICAL CARE HOLDINGS, INC. 2,843,219
FRIGERIO, FEDERICO 2,730,429
FRISKY, SEAN 2,668,784
FRITSCH, HORST 2,808,388
FROST, STEPHEN 2,691,852
FROY, DAVID 2,820,814
FUERST, OREN 2,768,231
FUGERE, MARTIN 2,727,574
FUJITA, NOBUHIRO 2,910,439
FUJITSU LIMITED 2,812,653
FUKUI, KEITA 2,937,999
FURUSAKO, SEIJI 2,917,122
FUTAKI, HISASHI 2,844,892
FUTURA MEDICAL DEVELOPMENTS LIMITED 2,776,797
G & G BIOTECHNOLOGY LTD 2,786,279
GADHER, BHARAT 2,820,814
GAERTNER, ULF-TORSTEN 2,735,795
GAILLARD, PASCALE 2,778,174
GALLET, FRANCOIS 2,748,961
GAMIO, CARLOS 2,756,662
GAO, GUANGPING 2,852,277
GAO, JIWEI 2,903,912
GARBOS, JENNIFER RICHARDS 2,842,847
GARCON, NATHALIE MARIE-JOSEPHE 2,816,182
GAUTHIER, MICHEL 2,784,686
GAWDE, SEEMA YASHWANT 2,808,546
GDF SUEZ 2,772,699
GE AVIATION SYSTEMS LIMITED 2,755,757
GE AVIATION SYSTEMS LLC 2,710,723
GEBR. KEMPER GMBH + CO. KG METALLWERKE 2,930,609
GEIST, JOSHUA B. 2,720,082
GEMINARE INCORPORATED 2,720,082
GENDELMAN, HOWARD 2,687,269
GENERAL ATOMICS 2,787,423
GENERAL DOWNHOLE TECHNOLOGIES LTD. 2,820,491
GENERAL ELECTRIC COMPANY 2,836,018
GENERAL ELECTRIC COMPANY 2,911,757
GENERAL ELECTRIC COMPANY 2,922,569
GEOFFROY, DENIS 2,784,686
GEORGE, NEIL 2,796,271
GERGATZ, RICHARD 2,781,897
GERHARDT, WARREN W. 2,921,565
GERHARDT, WARREN W. 2,927,964
GERKEN, NOEL TIMOTHY 2,813,430
GERSTLER, WILLIAM DWIGHT 2,911,757
GERVAIS, THAN MARC-ERIC 2,816,367
GERVASI, DAVID JOSEPH 2,879,177
GEVO, INC. 2,710,359
GHIGLIERI, BILL 2,906,935
GHOSH, PRASANTA KUMAR 2,632,353
GIAUQUE, PAUL R. 2,764,163
GIAUQUE, RILEY R. 2,764,163
GIBNEY, MICHAEL 2,714,262
GIEBELHAUS, JASON ROBERT 2,916,004
GIELESEN, BIANCA ELISABETH MARIA 2,714,592
GILBERTSON, LARRY A. 2,621,394
GILEAD CONNECTICUT, INC. 2,745,871
GILES, KEVIN 2,586,857
GILLE, ANDREAS 2,799,474
GIORI, ANDREA 2,786,780
GIROUX, RICHARD L. 2,857,381
GISSMANN, LUTZ 2,742,917
GIYAZOV, OLEG VALERIEVICH 2,825,115

Index of Canadian Patents Issued
February 20, 2018

GLACEUM, INC. 2,929,001
GLASSCOCK, STEPHEN DREW 2,842,847
GLAXOSMITHKLINE BIOLOGICALS S.A. 2,816,182
GLENN, JOSEPH P. 2,762,174
GLOBE UNION INDUSTRIAL CORP. 2,916,332
GLOVER, DANIEL 2,905,528
GODLESKI, TODD ANTHONY 2,785,976
GOLDSTEIN, DAVID MICHAEL 2,799,328
GOLLA, CHRISTOPHER A. 2,915,632
GOLLNICK, BERT 2,857,486
GOMEZ URIBE, CARLOS 2,829,359
GONG, LEYI 2,799,328
GONZALEZ, JESUS JR. 2,899,062
GONZALEZ, JESUS, JR. 2,899,057
GOODRICH CORPORATION 2,741,275
GOOGLE LLC 2,849,018
GOOGLE LLC 2,868,941
GOREDEMA, ADELA 2,871,394
GORO, TAMAI 2,812,083
GOVREEN-SEGAL, DAEL 2,786,279
GRAHAM, JEFFREY A. 2,576,166
GRANDBOIS, MATTHEW L. 2,903,760
GRAPHIC PACKAGING INTERNATIONAL, INC. 2,907,900
GREEN, DALE W. 2,889,961
GREEN, TRAVIS HARRISON KROLL 2,868,941
GREENE, CLARK V. 2,846,553
GRESTENBERGER, GEORG 2,889,264
GRG, LLC 2,870,456
GRIFFITH, MAY 2,775,670
GROSS, STEFFEN 2,736,538
GRUNEWALD, DEBBY 2,678,217
GU, YONG (JOE) 2,912,898
GUADAGNO, LIBERATA 2,748,324
GUMMEL, MICAH 2,801,687
GUNAWARDENA, UVINI 2,710,359
GUNDERSON, BENJAMIN 2,903,818
GUO, XIALING 2,772,718
GUPTA, ASHISH 2,869,776
H. LUNDBECK A/S 2,783,727
HAAS, EDWIN 2,873,635
HACHTEL, STEPHANIE 2,799,474
HAGEN, CARLTON E. 2,905,528
HAGEN, CHAD D. 2,889,961
HAGER, HARALD 2,918,122
HAIDER, ALEXANDER 2,824,946
HAIGH, PETER 2,951,665
HAIMERL, RUDOLF 2,843,761
HAIRE, ANDREW RALPH 2,733,978
HAKSAR, PRIYANKA BANSILAL 2,808,546
HALFMANN, ERIC 2,911,033
HALLIBURTON ENERGY SERVICES, INC. 2,886,778
HALLIBURTON ENERGY SERVICES, INC. 2,900,663
HALLIBURTON ENERGY SERVICES, INC. 2,912,614
HALLIBURTON ENERGY SERVICES, INC. 2,914,847
HALLIBURTON ENERGY SERVICES, INC. 2,915,632
HALLIBURTON ENERGY SERVICES, INC. 2,919,166
HALLMARK CARDS, INCORPORATED 2,842,847
HAMANN, ANTJE 2,735,795
HAMLETT, ANTHONY FRANK 2,894,360
HAMRE, JOHN D. 2,773,704
HANEMAAYER, VICTOIRE 2,948,541
HANN, MURRAY 2,911,108
HANSON, ANDREW JAMES 2,932,093
HARA, MASASHI 2,903,439
HARA, YOSHIHIRO 2,870,868
HARDENBOL, PAUL 2,707,600
HARNETT, JEREMIAH 2,841,807
HARRALL, SIMON J. 2,916,019
HARRIS CORPORATION 2,911,108
HARRIS CORPORATION 2,921,513
HARRIS, ADRIENNE 2,769,676
HARRISON, DANIEL J. 2,833,344
HART, DOUGLAS P. 2,730,429
HARTMAN, CODY L. 2,893,098
HARTMANN, BRIAN 2,903,818
HARVEY, MICHAEL J. 2,820,491
HASE, GARY 2,977,791
HASEGAWA, NORIHIKO 2,831,447
HATAKEYAMA, KAZUNORI 2,927,417
HATTORI, TAKESHI 2,903,439
HAUFE, INGRID 2,901,564
HAUPTMANN, BERNHARD 2,813,089
HAYAKAWA, RYOICHI 2,870,868
HAYASAKA, YASUKAZU 2,894,830
HAYES, NATHANIEL O. 2,900,856
HEAD, PHILIP 2,805,787
HEATH, FORREST D. 2,893,218
HEATH, RODNEY T. 2,893,218
HEHEMANN, JAN-HENDRIK 2,768,857
HEID, GEORGE 2,928,085
HEID, GEORGE 2,928,129
HEIDELBERGCEMENT AG 2,907,893
HEIDELBERGCEMENT AG 2,911,192
HEINER, CHERYL 2,719,747
HEISER, ULRICH 2,735,795
HELBERT, WILLIAM 2,768,857
HELEN OF TROY LIMITED 2,784,325
HELLE, KEVIN 2,785,070
HELMRICH, CHRISTIAN 2,901,186
HENRICHSEN, KEVIN 2,747,941
HENRIE, MICHAEL 2,843,219
HERMAND, PHILIPPE VINCENT 2,816,182
HERN, CHRISTOPHER R. 2,911,033
HERSEY, STEVEN H. 2,846,553
HESS, MARK 2,866,666
HEXAGON TECHNOLOGY CENTER GMBH 2,878,114
HIBNER, VERLIN 2,911,108
HIGGINS, JOEL 2,810,202
HIGH SEC LABS 2,735,247
HIGHLIFE SAS 2,804,771
HILKEN, MATTHEW M. 2,824,100
HILL, IRMA 2,678,217
HILLA, MATTHEW GENAR 2,770,078
HILLIER, ANDREW D. 2,723,511
HISS, KATRIN 2,799,474
HODGSON, PETER 2,910,225
HOEPPNER, JACY 2,810,202
HOFER, ROBERT 2,824,946
HOFFMANN, TORSTEN 2,735,795
HOFMANN, KLAUS 2,875,742
HOGSET, ANDERS 2,771,021
HOHMANN, WOLFRAM 2,873,635
HOLBA, JOHN 2,798,110
HOLLAND, ROBERT BRADLEY 2,730,863
HOLOBINKO, JOHN 2,846,553
HONDA, TOMOAKI 2,937,999
HONEYWELL INTERNATIONAL INC. 2,646,990
HONEYWELL INTERNATIONAL, INC. 2,826,545
HONG, JIAHAN 2,831,447
HONJO, SHINTARO 2,883,111
HORAN, JOHN M. 2,847,651
HORNE, STEPHEN CRAIG 2,949,012
HORVATH, JOSHUA D. 2,714,199
HORVATH, JOSHUA D. 2,714,262
HORVATH, JOZSEF 2,959,554
HOSKINS, SHANE 2,906,441
HOSKINS, SHANE 2,937,004
HOSOI, FUMIHITO 2,921,208
HOU, MARI 2,818,863
HOY, OLHA V. 2,900,856
HOYES, JOHN BRIAN 2,787,446
HRIVNAK, LAWRENCE M. 2,846,553
HSING, CHIH-KUANG 2,881,348
HU, HAIBIN 2,893,181
HU, JIN 2,741,275
HUANG, DIJIA 2,667,295
HUANG, JINCUN 2,838,517
HUAWEI TECHNOLOGIES CO., LTD. 2,877,409
HUAWEI TECHNOLOGIES CO., LTD. 2,916,407
HUEBSCHLE, THOMAS 2,799,474
HUGGINS, ADRIAN 2,810,120
HULL, RAYMOND J., JR. 2,818,863
HUMMEL, THOMAS 2,844,943
HUNTING TITAN, INC. 2,641,527
HUO, GANG 2,854,391
HUSQVARNA AB 2,683,397
HUSQVARNA AB 2,716,871
HUSSMANN CORPORATION 2,846,191
HUTCHERSON, HENRY STEPHEN 2,849,598
HUTCHISON, JOHN C. 2,800,171
HUYNH TUONG, ALAIN 2,735,625
HWANG, CHARLES G. 2,714,199
HWANG, JUNGHWAN 2,903,439
HYDAC TECHNOLOGY GMBH 2,837,686
HYNECEK, BRYAN LEE 2,807,321
I-TEC AS 2,731,511
IDEAL INDUSTRIES, INC. 2,809,691
IDENTIX INCORPORATED 2,773,704
IDRIS, FAYEZ 2,820,814

IFTIME, GABRIEL	2,899,057
IGNITE RESOURCES PTY LTD	2,822,875
IGT CANADA SOLUTIONS ULC	2,820,814
IGUCHI, SATORU	2,921,208
IHI CORPORATION	2,944,326
ILLEN PRODUCTS LTD.	2,876,688
IM, JEONG HO	2,929,001
IMANISHI, HIROYUKI	2,910,245
IMANISHI, MASAHIRO	2,916,691
IMANOL FLORES GANUZA, FLORES	2,733,317
INANAGA, YASUTAKA	2,907,883
INCYTE HOLDINGS CORPORATION	2,762,174
INDENA S.P.A.	2,786,780
INOUE, TOSHIO	2,937,999
INSTITUT CLINIDENT	2,733,246
INSTITUT DES VAISSEAUX ET DU SANG	2,793,985
INSTITUT POLYTECHNIQUE DE BORDEAUX	2,787,302
INTERVET INTERNATIONAL B.V.	2,726,513
INVESTISSEMENTS D. BEAUDOIN INC.	2,736,938
INVISTA TECHNOLOGIES S.A.R.L.	2,788,854
ION BEAM APPLICATIONS S.A.	2,965,643
ISHIBASHI, MASAKI	2,703,350
ISHII, KOHEI	2,903,439
ISIS GEOMATICS INC.	2,959,083
ISP INVESTMENTS INC.	2,754,023
ITAMI, ATSUSHI	2,843,588
ITO, MOTOFUMI	2,883,111
ITOH, MASAO	2,916,166
ITUL, ANCA	2,907,893
ITUL, ANCA	2,911,192
ITURBE BERISTAIN, ENEKO	2,733,317
IVERSON, BENJAMIN	2,919,166
IWAI, YASUNORI	2,916,166
IWATA, ATSUSHI	2,790,072
IZAWA, HIDEO	2,727,331
JACKSON, CHRIS B.	2,894,360
JACOBSON, RICHARD	2,791,209
JACTAT, CAROLINE	2,844,892
JADHAV, SWAPNIL R.	2,801,699
JAPAN WIND DEVELOPMENT CORPORATION LTD.	2,743,994
JASKIEWICZ, TOMASZ	2,928,085
JASKIEWICZ, TOMASZ	2,928,129
JEANCLAUDE-ETTER, ISABELLE	2,778,174
JENKINS, DONALD G.	2,905,528
JENNINGS, HAMLIN	2,960,138
JENSEN, FLEMMING REISSIG	2,775,175
JENTZSCH, KEVIN REED	2,908,181
JERSEY, STEVEN	2,943,203
JEYAPRAKASHNARAYANAN, SEENISAMY	2,778,174
JFE STEEL CORPORATION	2,894,830
JO, IN GEUN	2,929,001
JOENSSON, ANDREAS	2,716,871
JOHN, GEORGE	2,801,699
JOHNSON & JOHNSON CONSUMER COMPANIES, INC.	2,762,192
JOHNSON MATTHEY PUBLIC LIMITED COMPANY	2,784,686
JOHNSON, ROBERT A.	2,824,991
JOHNSTON, KEVIN A.	2,741,868
JORDAN, EAMON HIRATA	2,916,203
JORDAN, KEVIN BARRY	2,916,203
JOSEPH, BASIL J.	2,910,772
JUNG, SUNG-KWON	2,667,295
K-FEE SYSTEM GMBH	2,877,027
K.J. ROSS SECURITY LOCKS PTY. LTD.	2,755,152
KABANOV, ALEXANDER V.	2,687,269
KABUSHIKI KAISHA TOSHIBA	2,916,166
KADEREIT, DIETER	2,799,474
KAESELER, WERNER	2,978,755
KAHLEN, SUSANNE	2,889,264
KAHOOK, MALIK Y.	2,913,897
KAIBLINGER, HARALD	2,834,622
KAISER, FLORIAN	2,736,538
KAISER, THOMAS MARKUS	2,910,919
KAJI SEISAKUSHO CO., LTD	2,944,326
KAMIYA, SHOTA	2,927,417
KANG, KU SUK	2,929,001
KANUNGO, MANDAKINI	2,879,177
KAPOULA, ZOI	2,784,541
KARANDIKAR, HARSHAVARDHAN M.	2,817,821
KARNBACH, ROBERT S.	2,817,821
KARSTEN MANUFACTURING CORPORATION	2,905,052
KARSTEN MANUFACTURING CORPORATION	2,905,056
KAZUI, KIMIHIKO	2,812,653
KCI LICENSING, INC.	2,814,740
KEADY, AIDAN G.	2,847,651
KEANE, JOHN A.	2,847,651
KEHLER, JAN	2,783,727
KEITHLEY, THOMAS H.	2,604,913
KELLER, KEITH A.	2,921,565
KELLER, KEITH A.	2,927,964
KELLEY, BRUCE T.	2,824,991
KELLY, EVAN JOSEPH	2,916,203
KELLY, MATTHEW MICHAEL	2,879,177
KEMMER, DIRK	2,651,089
KEMMER, DIRK	2,873,524
KEMMERER, ELYSE	2,769,676
KENNEDY, SANDY	2,878,114
KENNY, DANIEL JAMES	2,787,446
KENWORTHY, MICHAEL THOMAS	2,911,757
KERN, PETER	2,844,943
KESTNER, JOHN ANTHONY	2,448,774
KHAMAR, BAKULESH MAFATLAL	2,632,353
KHAMMAR, MEROUANE	2,919,166
KHOV-TRAN, VAN VAN	2,748,761
KIGUCHI, SO	2,790,072
KIKLY, KRISTINE KAY	2,901,468
KIKUIRI, KEI	2,942,885
KILBURN, JOHN PAUL	2,783,727
KILEMNICK, IDO	2,768,231
KIM, JIN YOUNG	2,929,001
KIM, SUNG WOO	2,762,555
KIMBERLY-CLARK WORLDWIDE, INC.	2,779,533
KIMURA, KENJI	2,924,471
KING, KYLE ALLEN	2,916,019
KING, RICHARD R.	2,804,222
KINUGASA, YUKI	2,894,830
KISING, JURGEN	2,883,473
KITAGAWA, HIDEKI	2,944,326
KIVIMAKI, ILKKA	2,827,820
KLAASSEN, PAUL	2,714,592
KLAUS, JOHN	2,779,766
KLAVENESS, JO	2,771,021
KLEIN, DAVID E.	2,911,088
KLEIN, GILLES CHARLES CASIMIR	2,764,774
KLOFT, PETER	2,837,686
KLOOSTER, JOEL KENNETH	2,710,723
KLUG, JULIUS ALEXANDER	2,948,541
KNOTT, WILFRIED	2,732,357
KO, HYOUNG SHIN	2,913,121
KOCH, ANDREAS	2,934,111
KODAMA, KAZUFUMI	2,839,646
KODAMA, SHINJI	2,917,122
KOERBER, KARSTEN	2,736,538
KOHLBAUER, PETER	2,651,089
KOHLBAUER, PETER	2,873,524
KOLODKO, JULIAN PAUL	2,812,735
KOMRAKOV, EVGENY VYACHESLAVOVICH	2,893,735
KOMRAKOV, EVGENY VYACHESLAVOVICH	2,937,174
KONINKLIJKE DOUWE EGBERTS B.V.	2,774,672
KORLACH, JONAS	2,707,600
KOSKINEN, TAPIO	2,797,882
KOSTAM DESIGNS INC.	2,984,689
KOSTAMO, STEVEN	2,984,689
KOTKAMO, SAMI	2,797,882
KOTT, MARLA CHARISSE	2,876,688
KOVACS, MICHAEL S.	2,948,541
KOYAMA, JUNPEI	2,812,653
KOZLOVA, OLGA MIKHAILOVNA	2,937,174
KRAUS, KEVIN C.	2,711,235
KRISTAN, JOSEPH V.	2,857,518
KROHNE AG	2,816,709
KROPF, JEFFREY E.	2,745,871
KRUEGER, MATTHEW J.	2,911,033
KRUMMENACHER, TODD J.	2,980,018
KRUPER, WILLIAM J., JR.	2,903,760
KUEBLER, ULRICH	2,844,943
KUEHN, JUSTIN F.	2,716,660
KULKARNI, ALOK	2,809,691
KUMAR, RAJEEVA	2,836,018
KURUCZ, ATTILA	2,901,564
KUTTEL, BEAT	2,869,776
KUUSIPALO, JURKKA	2,797,882
KUWATA, SHIGEMASA	2,839,646
KWON, EDDIE	2,813,430
KWON, YOUNGHOON	2,916,407

Index of Canadian Patents Issued
February 20, 2018

L'AIR LIQUIDE-SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE 2,762,139
LA SEE, JACK C. 2,738,253
LAAN, VAN DER, JAN METSKE 2,714,592
LABINAL 2,715,406
LABINAL, LLC 2,819,953
LABRUNE, MARTIN 2,784,491
LAFFERTY, SHANNON 2,799,238
LAGRANGE, FREDERIC 2,802,817
LAITAR, DAVID S. 2,903,760
LALONDE, PAUL D. 2,746,373
LALUET, JEAN-YVES 2,856,841
LAMBERT, CHRISTOPHER 2,923,005
LAMBERTSON, MICHAEL C., JR. 2,907,130
LAMBERTSON, MICHAEL C., JR. 2,907,134
LAMONTAGNE, RICK M. 2,846,191
LANDRY, BENOIT 2,673,335
LANG, JOCHEN 2,787,302
LANGGARD, MORTEN 2,783,727
LANGILL, ED 2,714,199
LANGLEY, ROBERT EUGENE 2,842,847
LANGRIDGE, DAVID 2,787,446
LANT, KIMBERLY 2,922,692
LAPSTUN, PAUL 2,975,758
LARSEN, CHRISTOPHER GEORGE (DECEASED) 2,914,136
LARSSON, JOHAN 2,774,878
LAVELLE, MARK L. 2,604,913
LAVRETSKY, EUGENE 2,886,122
LAW, BRIAN ROBERT 2,727,074
LAW, DANIEL C. 2,804,222
LAW, DAVID JOHN 2,807,321
LAZARUS, DAVID B. 2,840,191
LE VEZOUET, RONAN 2,736,538
LE, HOANG 2,922,692
LE, QUI V. 2,808,387
LECAMP, GUILLAUME 2,856,841
LECOMTE, JEREMIE 2,901,186
LEE, JAE AN 2,913,121
LEE, SEUNG H. 2,745,871
LEE, TAMMY 2,898,152
LEE, WEON SUP 2,762,555
LEFEBVRE, PHILIPPE 2,673,335
LEFEVRE, PHILIPPE 2,771,052
LEITCH, OLAN 2,888,825
LEITCH, OLAN 2,891,785
LEMIEUX, LUC 2,805,886
LEROLLE, NICOLAS 2,749,772
LEROUX, JEAN-CHRISTOPHE 2,894,784
LEVER, JOHN G. 2,900,856
LEWIS, RICHARD PAUL 2,779,533
LI, CHUNHUNG 2,916,332
LI, FENGFU 2,775,670
LI, QIXIANG 2,852,077
LI, QIXIANG 2,852,080
LI, TANG 2,852,077
LI, TANG 2,852,080
LI, TAO 2,903,912
LI, XIAODONG 2,776,701
LI, YANXUN 2,838,517
LI, YUANBIN 2,852,077
LI, YUANBIN 2,852,080
LIANG, CHUNLI 2,919,899
LIANG, GUOXIAN 2,784,686
LICATA, JACK JOSEPH 2,726,785
LICELLA FIBRE FUELS PTY LTD 2,822,875
LICELLA PTY LTD. 2,822,875
LILACH, NIR 2,788,082
LIMER, ADAM JOHN 2,782,035
LIN LEE, LEE 2,894,138
LIN, AVI 2,886,778
LIN, QIYOU 2,903,912
LIN, YIPING 2,916,332
LINDAHL, ANDREW FREDERICK 2,730,863
LIS, JOSE 2,771,052
LIU, CHU-HENG 2,879,177
LIU, HAILI 2,838,523
LIU, MARTIN 2,796,757
LIU, SHUBING 2,773,320
LIU, XIAOJIANG 2,797,401
LIU, XIAOYAN 2,838,517
LOCKE, CHRISTOPHER BRIAN 2,814,740
LOE, BRADLEY E. 2,799,328
LOESCH VERPACKUNGSTECHNIK GMBH 2,888,022
LONG, DANIEL D. 2,869,908
LONG, JUN 2,906,441
LONG, JUN 2,937,004
LONG, MIN 2,831,447
LORENTZ, JAMES 2,906,441
LORENTZ, JAMES 2,912,898
LORENZ, FREDERICK 2,838,632
LOUDON, SCOTT D., II. 2,908,172
LOVE, WILLIAM GUY 2,741,413
LOWDER, SCOTT B. 2,879,422
LOWENSTEIN MEDICAL TECHNOLOGY S.A. 2,776,939
LOWENSTEIN MEDICAL TECHNOLOGY S.A. 2,776,941
LOZONSCHI, LUCIAN 2,844,746
LSP PRODUCTS GROUP, INC. 2,906,935
LUCAS, PAUL C. 2,899,057
LUNDE, GEIR 2,731,511
LUO, GANG 2,797,401
LUTTER, GEORG 2,844,746
LYFORD, JON R. 2,855,650
MA, CONGCONG 2,719,747
MA, YUNXIAO 2,797,401
MAASE, DANIEL F. 2,773,704
MACDONALD, GEORGE 2,870,456
MACMILLAN, KRISTIN SARAH 2,876,688
MACPHERSON, JANET LESLEY 2,747,941
MAGGI, DANIELE 2,788,854
MAGNA CLOSURES INC. 2,651,969
MAGNA SEATING INC. 2,799,233
MAHIEU, JEAN NOEL 2,784,740
MAIORINO, NICHOLAS 2,681,891
MALI, VIKAS 2,809,691
MALINOWSKI, RICHARD 2,877,409
MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED 2,779,766
MANDAVA, NARESH 2,913,897
MANESSE, DENIS 2,802,817
MANSIR, HASSAN 2,805,787
MANUELA, CORNELIA 2,948,541
MARCHAL, YANN 2,801,687
MARCIN, JOZEPH ROBERT 2,932,093
MARCINEK, GREGORY J. 2,861,086
MARGARUCCI, SABRINA 2,748,324
MARIGO, MAURO 2,783,727
MARINI, DAVIDE M. 2,730,429
MARKOVIC, GORAN 2,901,186
MAROCCHI, JAMES A. 2,806,716
MARREN, SEAN 2,888,825
MARS INCORPORATED 2,841,869
MARS, INCORPORATED 2,836,384
MARTIN, DALE E. 2,812,083
MARTIN, LUDOVIC 2,715,409
MARTINSON, DANIEL J. 2,969,695
MARUYAMA, NAOKI 2,843,588
MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS 2,910,225
MARYA, MANUEL P. 2,573,471
MASARYK, MICHAL 2,732,236
MASCHMEYER, DIETRICH 2,918,121
MASCHMEYER, DIETRICH 2,918,122
MASCHMEYER, THOMAS 2,822,875
MASCO CABINETRY LLC 2,799,238
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 2,730,429
MASSON, RICHARD 2,764,774
MATSUMURA, KENICHIROH 2,910,439
MATSUURA, KOUZO 2,916,691
MATTLAR, HARRI 2,874,364
MAURER, MARC 2,920,701
MAVINKURVE, PRAMOD 2,818,863
MAWBY, WILLIAM, DAVID 2,912,646
MCANALLY, CRAIG B. 2,728,677
MCBRIDE, DANIEL T. 2,927,964
MCCLAIN, JAMES B. 2,922,492
MCCLERNON, PATRICK F. 2,739,837
MCCORMICK, JAMES MICHAEL 2,819,953
MCDOWELL, CHRISTOPHER L. 2,916,019
MCDOWELL, DESTREY C. 2,888,825
MCGINITY, JAMES W. 2,697,099
MCINTYRE, ANDREW 2,820,814
MCKINNELL, ROBERT MURRAY 2,869,908
MCLEAN, PAUL 2,913,897
MCMEEKIN, SCOTT 2,756,662
MCT HOLDINGS LTD. 2,960,138
MEADOR, CHARLES M. 2,911,033
MEDI-PHYSICS, INC. 2,785,070
MEDLEY, DWIGHT 2,641,527

Index des brevets canadiens délivrés
20 février 2018

MEHENDALE, CHARUDATTA SUBHASH 2,836,018
MEINHARDT, MICHAEL B. 2,899,057
MEINHARDT, MICHAEL B. 2,899,062
MEINHOLD, PETER 2,710,359
MELEN, BENOIT 2,735,625
MEMJET TECHNOLOGY LIMITED 2,812,755
MENG, QINGMIN 2,893,181
MENON, ELTON LUIS 2,918,218
MERCIER, DENIS 2,673,335
MERCK SERONO S.A. 2,755,918
MERCK SERONO S.A. 2,778,174
MERRITT, STEVEN J. 2,713,215
MESSIER-BUGATTI-DOWTY 2,764,774
MESSIER-DOWTY LIMITED 2,786,521
MESZAROS, LADISLAUS 2,915,042
METTU, SRINIVAS 2,879,177
METZLER, BETTINA 2,775,175
MICALI, LUCIANO 2,873,010
MICALI, LUCIANO 2,874,134
MICELL TECHNOLOGIES, INC. 2,922,492
MICHEL, GURVAN 2,768,857
MICHELIN RECHERCHE ET TECHNIQUE, S.A. 2,912,646
MICHIKAMI, KAZUYA 2,907,883
MICRO MOTION, INC. 2,728,677
MICRO MOTION, INC. 2,881,261
MICRO MOTION, INC. 2,910,027
MICRO MOTION, INC. 2,914,136
MICROMASS UK LIMITED 2,586,857
MICROMASS UK LIMITED 2,787,446
MICROSOFT TECHNOLOGY LICENSING, LLC 2,797,401
MICROVENTION, INC. 2,758,509
MILLER, DAVE A. 2,697,099
MILLER, JOHN P. 2,885,163
MILLER, SCOTT A. 2,812,083
MILLER, TRAVIS J. 2,812,083
MILLER, TRENT J. 2,806,716
MILLIKEN & COMPANY 2,900,856
MILLIKEN & COMPANY 2,921,565
MILLIKEN & COMPANY 2,927,964
MILLIN, ANDREW 2,975,758
MILLS, PATRICK WELLINGTON 2,819,953
MINALE, MARIO 2,748,324
MISAKI, MASAFUMI 2,797,812
MISENER, AARON 2,889,621
MITCHELL, MICHAEL DONOVAN 2,784,325
MITCHELL, MIKE 2,928,085
MITCHELL, SCOTT A. 2,745,871
MITSUBISHI ELECTRIC CORPORATION 2,907,883
MITSUBISHI ELECTRIC CORPORATION 2,927,417
MITSUBISHI HEAVY INDUSTRIES, LTD. 2,883,111
MITSUBISHI HEAVY INDUSTRIES, LTD. 2,905,255
MIYAKOSHI PRINTING MACHINERY CO., LTD. 2,727,331
MIYAZAKI, YASUNOBU 2,917,122
MIZHEN, BORIS 2,868,941
MLAMBO, DARLINGTON 2,919,656
MOBEX OF NORTH FLORIDA, INC. 2,742,012
MODI, INDRAVADAN AMBALAL 2,632,353
MODI, RAJIV INDRAVADAN 2,632,353
MOHRBACH VERPACKUNGSMASCHINEN GMBH 2,786,408
MOK, SWEE M. 2,902,510
MOLLER, JEREMY G. 2,732,375
MOLLER, KLAUS 2,901,564
MOLOKHIN, ILYA VALERIEVICH 2,937,174
MOLOKHINA, LARISA ARKADIEVNA 2,937,174
MONCRIEF, FRANK N. 2,907,900
MONDAL, RAJIB 2,921,565
MONDAL, RAJIB 2,927,964
MONDOLY, NATHALIE 2,841,807
MONEY, BERNARD ROBERT 2,810,120
MONGAN, RYAN HILL 2,807,321
MONROE, TERRY D. 2,922,692
MONSANTO TECHNOLOGY LLC 2,576,166
MONSANTO TECHNOLOGY LLC 2,621,394
MONTAGNE, CYRIL 2,755,918
MOONEN, PETER JOZEF JACOBUS 2,720,280
MOORE, KELLEY A. 2,899,057
MOORE, KELLEY A. 2,899,062
MOORE, MICHAEL TODD 2,921,565
MORIKAWA, AKIRA 2,907,883
MORIN, JEREMY 2,870,266
MORIN, KRISTIAN 2,878,114
MORISAWA, YUICHI 2,916,166
MORISSET-LOPEZ, SEVERINE 2,793,794
MORITA, HIDEO 2,758,509
MORLEY, THOMAS J. 2,948,541
MOSAMEDIX B.V. 2,720,280
MOTOROLA SOLUTIONS, INC. 2,806,716
MOTOROLA SOLUTIONS, INC. 2,911,088
MOTT, LINDSAY DOUGLAS 2,725,950
MOUNTS, DEXTER JUNIOR 2,959,367
MTD PRODUCTS INC. 2,804,457
MUND, CHRISTIAN 2,732,357
MUNSCH, WILLIAM, D. 2,809,497
MURATOGLU, ORHUN K. 2,679,274
MUZERELLE, MATHILDE 2,778,174
MYERS, ANDREW PETER 2,790,251
MYSHAK, STEPHAN 2,959,083
NABORS DRILLING INTERNATIONAL LIMITED 2,869,776
NAKADA, YUKIHIRO 2,944,326
NAKAGAWA, AKIRA 2,812,653
NAMIKI, TAKAO 2,727,331
NAN YA PLASTICS CORPORATION 2,948,228
NATIONAL GYPSUM PROPERTIES, LLC 2,824,100
NAWATA, HIDEKAZU 2,937,999
NAYLOR, MICHAEL 2,790,251
NEARMAP AUSTRALIA PTY LTD 2,975,758
NEC CORPORATION 2,844,892
NEC PLATFORMS, LTD. 2,964,669
NESBITT, ALAN 2,756,662
NESS INVENTIONS, INC. 2,842,553
NESS, JOHN T. 2,842,553
NESTEC S.A. 2,786,499
NETFLIX, INC. 2,829,359
NEUGEBAUER, WITOLD A. 2,727,574
NEVALAINEN, KIMMO 2,797,882
NEVEN, JOSEF 2,816,709
NEWTON, ANDREW JAMES 2,836,384
NEWTON, GREGORY 2,870,456
NG, YIN MING SAMSON 2,906,441
NGIAU, CHRISTOPHER 2,799,233
NGK INSULATORS, LTD. 2,743,994
NGUYEN, HELEN 2,758,509
NGUYEN, LONG Q. 2,793,615
NICHOLS, PETE 2,723,923
NICOL, MICHAEL JAMES 2,882,384
NICOLA, THOMAS 2,651,089
NICOLA, THOMAS 2,873,524
NIE, ZAIQING 2,797,401
NIEFNECKER, DIRK 2,770,286
NIELSEN, JACOB 2,783,727
NIELSEN, JOHN 2,838,632
NIEN MADE ENTERPRISE CO., LTD. 2,936,720
NIEN MADE ENTERPRISE CO., LTD. 2,937,183
NIEN, CHAO-HUNG 2,936,720
NIETFELD, JAN JAAP 2,757,435
NIKE INNOVATE C.V. 2,770,078
NIPPON SHINYAKU CO., LTD. 2,844,794
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,843,588
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,910,439
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,917,122
NISSAN MOTOR CO., LTD. 2,839,646
NITE IZE, INC. 2,969,695
NIWA, MASAHIRO 2,797,812
NIWA, YUTA 2,937,999
NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG 2,976,414
NORDSTROM, CARL DAVID 2,752,272
NOSKE, JOE 2,916,019
NOVOMATIC AG 2,834,622
NTT DOCOMO, INC. 2,942,885
NUNZI, GIORGIO 2,844,892
NUTRIQUEST, LLC 2,889,961
O'BANION, MICHAEL 2,907,130
O'BANION, MICHAEL 2,907,134
O'BRIEN, ERIN M. 2,799,328
O'CONNELL, KEVIN K. 2,908,838
O'CONNELL, SHAWN 2,776,701
O'DONNELL, ERIC PATRICK 2,812,735
OGDEN, JOHN D. 2,840,191
OH, KUEN SIK 2,964,075

Index of Canadian Patents Issued
February 20, 2018

OHASHI, YASUHIKO	2,941,285
OHTAKE, NAOTAKA	2,781,794
OHTSUBO, MASASHI	2,903,439
OIKAWA, HATSUHIKO	2,917,122
OKA, MASAHARU	2,910,439
OKAMOTO, DAISUKE	2,903,439
OKAMOTO, RIKI	2,910,439
OKANO, FUMIYOSHI	2,703,350
OKUYAMA, YOZO	2,839,646
OLOUMI-SADEGHI, HASSAN (DECEASED)	2,736,538
OMVIK, SIGVARD	2,774,878
OMYA INTERNATIONAL AG	2,863,150
OMYA INTERNATIONAL AG	2,920,701
ONDA, MASANORI	2,773,665
ONONYE, ALOYSIUS IKE	2,784,325
OOYAMA, KOUICHI	2,727,331
ORSSAUD, CHRISTOPHE	2,784,541
ORTHOX LIMITED	2,852,255
ORTIZ DE ZARATE, DOMINIQUE	2,771,052
OSAWA, TAICHI	2,937,999
OSTE, TOBY DESMOND	2,812,735
OTSU, HIRONORI	2,844,794
OTTAWA HOSPITAL RESEARCH INSTITUTE	2,775,670
OTTO, GEOFF	2,707,600
OTTO, GEOFF	2,719,747
OUYANG, CHENGLI	2,852,077
OUYANG, CHENGLI	2,852,080
OYA, KENJI	2,894,830
OZAWA, MAYUKO	2,790,072
PACIFIC BIOSCIENCES OF CALIFORNIA, INC.	2,707,600
PACIFIC BIOSCIENCES OF CALIFORNIA, INC.	2,719,747
PAGAR, HEMANT KARBHARI	2,808,546
PALL CORPORATION	2,919,020
PALMER LABS, LLC	2,811,940
PALMER, MILES R.	2,811,940
PALMER, WYLIE SOLANG	2,799,328
PANASONIC CORPORATION	2,831,447
PANASONIC CORPORATION	2,857,303
PANASONIC ECOLOGY SYSTEMS GUANGDONG CO., LTD.	2,831,447
PANDEY, APARNA	2,806,716
PARE, QUENTIN	2,879,026
PARKER PROTEOMICS, LLC	2,794,248
PARKER, GLENDON JOHN	2,794,248
PARKER, JOSHUA J.	2,985,633
PARKS, DAVID, A.	2,809,497
PARPUTS, OLEG IGOREVICH	2,825,115
PARRIN, DAVID JOHN	2,908,172
PARSCHE, FRANCIS E.	2,921,513
PARTHASARATHY, SASI	2,829,359
PASTAN, IRA H.	2,773,665
PATIL, MANISH B.	2,809,691
PATINO MARTINEZ, EDUARDO LUIS	2,882,384
PAULSOHN, CARSTEN	2,976,414
PAWAR, RAHUL	2,817,821
PAWLITA, MICHAEL	2,742,917
PAYNE, JOHN	2,804,457
PAYPAL PTE LTD.	2,604,913
PCI BIOTECH AS	2,771,021
PEARKS, ANDREW THOMAS	2,784,325
PEDMO, MARC A.	2,750,551
PEIKKO GROUP OY	2,810,763
PEITZ, STEPHAN	2,918,121
PEITZ, STEPHAN	2,918,122
PELIN, KALLE HANS THOMAS	2,785,438
PELUSO, GIANFRANCO	2,748,324
PENG, ZHIQUAN	2,903,912
PENNARUN, AVERY	2,868,941
PENTTINEN, TAPANI	2,797,882
PEPSICO, INC.	2,943,203
PEREDEREEVA, SVETLANA	2,706,977
PERITT, DAVID	2,747,941
PERRON, MAURICE	2,788,854
PETERETT, HANS-ULRICH	2,808,546
PETERSON, DAVID G.	2,824,100
PETERSON, MICHAEL W.	2,621,394
PETERSON, THOMAS	2,809,691
PETILLO, ORSOLINA	2,748,324
PHAM, HANG T.	2,826,545
PHARMASCINE INC.	2,762,555
PHELIPPEAU, ANTOINE	2,801,687
PICARD, GARY A.	2,846,553
PIENTKA, MATT	2,804,457
PINEIRO, LUIS RODRIGO	2,842,847
PIRKER, ROBERT	2,920,701
PLASTIPAK PACKAGING, INC.	2,750,551
PLESKONJIC, DRAGAN	2,820,814
POHLMAN, MATTHIAS	2,736,538
POKETDREAM INC.	2,964,075
POMEL, VINCENT	2,778,174
POND, SUSAN	2,747,941
POOLMAN, JAN	2,816,182
POSCO	2,913,121
POSCO ES MATERIALS CO., LTD.	2,913,121
POST, PETER	2,820,814
POTTER, GREGORY	2,889,264
POURAGHAJANI, ORZA	2,706,977
POWELL, JOSEPH BROUN	2,785,012
PREMIUM AEROTEC GMBH	2,770,286
PRICE, TREVOR	2,870,266
PRICE, WILLIAM O'NEIL	2,813,430
PRINCE, EDWARD, A.	2,809,497
PRINGLE, STEVEN DEREK	2,586,857
PRINOTH S.P.A.	2,782,190
PRITCHETT, DAVID JOHN	2,727,074
PROBIODRUG AG	2,735,795
PROFACA, MARK	2,812,735
PROMINENT GMBH	2,808,388
PROST, EDOUARD	2,738,209
PRYSZLAK, JOSEPH	2,707,170
PRYTIME MEDICAL DEVICES, INC.	2,980,018
PSION INC.	2,641,794
PTX IP HOLDINGS INC.	2,818,029
PUESCHL, ASK	2,783,727
PURSER, KENNETH W.	2,889,961
QIAGEN GAITHERSBURG, INC.	2,773,320
QINETIQ LIMITED	2,810,120
QU, QI	2,922,692
QUAIL, IVAN	2,732,375
QUANCI, JOHN FRANCIS	2,959,367
QUANTRILL ESTATE INC	2,893,735
QUATTROPANI, ANNA	2,755,918
QUICK MOVE GMBH	2,801,621
RAIKAR, SUDHIR	2,891,785
RAIMONDO, MARIALUIGIA	2,748,324
RAMACHANDRAN, SUGANTHI	2,773,320
RAMIREZ, JAVIER	2,691,852
RAO, MANOJ	2,881,261
RAOUX, MATTHIEU	2,787,302
RATHMAN, DAVID EDWARD BIRN	2,866,662
RAUTENBACH, GEORGE FREDERICK	2,882,384
RAVET, NATHALIE	2,784,686
RAVIKOVITCH, PETER I.	2,824,991
RAYTHEON COMPANY	2,920,519
RAYTHEON COMPANY	2,966,353
REA, JUDITH A.	2,847,651
REDDY, PADIRA	2,869,776
REDPATH, GEORGE J.	2,732,375
REED, JAY	2,785,070
REEKER, HELENE	2,918,121
REEKER, HELENE	2,918,122
REICHOW, ALAN W.	2,770,078
REID, KENNETH H.	2,857,518
REID, KEVIN	2,906,441
REINHARD, MAGNUS	2,716,871
REMORQUES APOGEE INC.	2,784,191
RENAUD, SYLVIE	2,787,302
RENEWABLE HYDROCARBONS LTD	2,951,665
RENSING, MATTHEW JOSEPH	2,914,136
RENZ, MARTIN	2,651,089
RENZ, MARTIN	2,873,524
RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK	2,801,699
RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY	2,913,121
RESS, ROBERT A., JR.	2,785,976
RESURGO, LLC	2,916,203
REUSCHL, STEFAN	2,901,186
REUTELINGSPERGER, CHRISTIAAN PETER MARIA	2,720,280
REZINAS, RICK M.	2,770,078
RHYS-WILLIAMS, WILLIAM	2,741,413
RICHARD, JOEL	2,841,807
RIEKE CORPORATION	2,727,074
RIELLO S.P.A.	2,726,312
RIMBEY, PETER RAYMOND	2,813,430
RKW SE	2,780,189
ROBERT BOSCH GMBH	2,798,110
ROBERTS, BRIAN C.	2,886,122
ROBERTS, NICHOLAS JOHN	2,626,390
ROBERTS, ROBBIE GORDON	2,876,688
ROCA I CABARROCAS, PERE	2,784,491
ROCHEN, JAMES A	2,842,373

Index des brevets canadiens délivrés
20 février 2018

RODGERS, JAMES D. 2,762,174
RODRIGUEZ HIDALGO, MONICA 2,733,317
ROGERS, JAMES A., JR. 2,921,565
ROGERS, RUSSELL ALAN 2,975,758
ROGNON, VINCENT 2,786,499
ROTMAN, DANIEL 2,707,600
ROJDEV, ILJA 2,742,329
ROLLAND, NILS LENNART 2,801,124
ROLLS-ROYCE CORPORATION 2,752,272
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,785,976
RONG, ZHIGANG 2,916,407
ROQUES, SERGE THIERRY 2,715,406
ROQUETTE FRERES 2,771,052
ROSEMOUNT INC. 2,885,163
ROSENFELD, LEONARD 2,818,863
ROSS, BEVERLEY ANN 2,755,152
ROSS, GEOFFREY HOWARD 2,755,152
ROSS, KEITH JAMES 2,755,152
ROSS, TRACEY 2,754,023
ROTSTEIN, DAVID MARK 2,799,328
ROUSSELIN, STEPHANE 2,748,961
ROWE, DAVID TROY 2,906,106
ROY, SOUMITRA 2,852,277
RPC BEBO PRINT PATENT GMBH 2,731,302
RRT GLOBAL INC. 2,825,115
RUEL, SIMON 2,673,335
RUSSELL, ERIC L. 2,691,852
RUSSELL, JOHN C. 2,691,852
RUTH, THOMAS J. 2,948,541
RYTLEWSKI, GARY L. 2,573,471
SABAF S.P.A. 2,799,681
SABAH, MOHAMMAD 2,829,359
SAGARA, TAKESHI 2,921,208
SAHORES, JEAN-LUC PIERRE 2,790,191
SAIGUSA, SHINJIRO 2,903,439
SAIZ, ALBERT 2,726,487
SAKAI, TAKAHIRO 2,907,883
SAKUMA, YASUHARU 2,843,588
SAMI, MERRELL 2,769,676
SAMSONITE IP HOLDINGS S.A.R.L. 2,807,321
SAMSUNG ELECTRONICS CO., LTD. 2,898,152
SAMSUNG PAY, INC. 2,923,479
SAN MARTIN, LUIS E. 2,915,632
SANDER, SVERKER 2,802,299
SANDHOLZER, MARTINA 2,889,264
SANDY, MARIE 2,648,837
SANOFI 2,799,474
SARGENT MANUFACTURING COMPANY 2,879,422
SATISH, SOURABH 2,915,068
SATO, MASAHITO 2,727,331
SAUER, WOLFGANG 2,755,918
SAULS, JONATHAN 2,912,646
SAYAVONG, RAJMY 2,641,794
SCHAEFER, MATTHIAS 2,799,474
SCHAFFER, PAUL 2,948,541
SCHALLENBERG, JORG 2,918,121
SCHALLENBERG, JORG 2,918,122
SCHANKERELI, KEMAL 2,844,746
SCHEERDER, ALEXANDER ALEIDA ANTONIUS 2,871,848
SCHIBSBYE, KARSTEN 2,734,924
SCHLAGE LOCK COMPANY 2,711,235
SCHLAYER, DIETMAR 2,883,980
SCHLEICHER, ROBERT W. 2,787,423
SCHLOTTERBACH, THOMAS 2,920,701
SCHLUMBERGER CANADA LIMITED 2,573,471
SCHMITT, DIRK 2,907,893
SCHMITT, DIRK 2,911,192
SCHMITT, ERNEST G. 2,758,267
SCHMITT, MARKUS 2,742,917
SCHMITT, PETER 2,868,941
SCHMOR PARTICLE ACCELERATOR CONSULTING INC. 2,836,816
SCHMOR, PAUL WESLEY 2,836,816
SCHNELL, MARKUS 2,901,186
SCHOCH, PETER J. 2,900,861
SCHOELKOPF, JOACHIM 2,863,150
SCHREIBER, JUSTIN M. 2,920,846
SCHROTTER, FLORIAN 2,834,622
SCHUBERT, WOLFGANG 2,875,742
SCHWABHAUER, FRANK 2,873,635
SCHWARZENBERGER, SIMON 2,889,264
SCHWEIGERT, BRADLEY D. 2,905,052
SCHWEIGERT, BRADLEY D. 2,905,056
SCOTT, RICHARD WILLIAM 2,626,390
SEBILLE, ERIC 2,778,174
SEDLAK, HOLGER 2,920,598
SEKIGUCHI, GAKU 2,870,868
SEKISUI CHEMICAL CO., LTD. 2,856,841
SELKEE, THOMAS VAINO 2,678,217
SENOMYX, INC. 2,776,701
SENSORMATIC ELECTRONICS, LLC 2,732,375
SENSUS USA INC. 2,834,346
SENVION SE 2,857,486
SETH, SACHIN 2,809,691
SHANG, SONGSONG 2,838,523
SHAO, LIXIN 2,762,174
SHARPE, JOSEPH H. 2,885,163
SHAWCOR LTD. SHAWCOR LTEE 2,755,289
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 2,785,012
SHEPARD, STACEY 2,762,174
SHERMAN, DARYL CRAIG 2,818,029
SHETTIGARA, RAVEESHA 2,809,691
SHIAO, MING-LIANG 2,891,785
SHIH, JENN 2,754,023
SHIM, SANG RYEOL 2,762,555
SHIMADA, SATOSHI 2,812,653
SHIMP, LAWRENCE A. 2,690,457
SHINOMOTO, YOSUKE 2,927,417
SHINTANI, PETER 2,816,694
SHIPLEY, ADRIAN 2,755,757
SHIRAKAWA, TSUTOMU 2,910,245
SHIRSATH, VINODKUMAR SHRAWAN 2,809,691
SHOEN, EDWARD J. 2,448,774
SHOEN, SAMUEL J. 2,448,774
SHOHAT, SHAUL 2,768,231
SHOOK, LARRY K., JR. 2,917,201
SHUMATE, DWAYNE 2,838,632
SIEGER, PETER 2,651,089
SIEGER, PETER 2,873,524
SIEMAG TECBERG GMBH 2,875,742
SIEMENS AKTIENGESELLSCHAFT 2,734,924
SIEMENS AKTIENGESELLSCHAFT 2,934,111
SIEMENS INDUSTRY, INC. 2,731,529
SIERENS, MARCEL 2,781,897
SILBER, STEFAN 2,732,357
SILES, JOHN L. 2,908,181
SILNY, JOHN F. 2,920,519
SILVA, TANIA 2,799,328
SILVESTRE, JEAN-SEBASTIEN 2,793,985
SIMAN, RON 2,912,898
SIMEONOV, SVETOZAR 2,915,632
SIMIONI, PAOLO 2,737,094
SIMONS, STEVE 2,912,646
SINGH, BHAWANI 2,691,852
SINGH, PARITOSH 2,809,691
SINGH, RAJINDER 2,810,120
SINGH, RAJIV R. 2,826,545
SIOUSTIS, GEORGE 2,656,074
SIY, ROBERT 2,906,441
SKAER, NICHOLAS 2,852,255
SKOTTA, WILLIAM 2,726,513
SKRZYPCZAK, MATHIEU 2,920,701
SLEIJPEN, STEPHEN JOHN 2,812,735
SLEPIAN, ROBERT, M. 2,809,497
SLINGERLAND, ERIC JAMES 2,755,289
SMITH, CHRISTOPHER 2,710,359
SMITH, GERALD W. 2,723,511
SMITH, J. TEDD 2,849,598
SMITH, JASON D. 2,913,114
SMITH, MARK 2,770,617
SMITH, MARK 2,824,728
SMITH, PAUL F. 2,871,394
SMITH, RODDIE R. 2,829,591
SMK-LOGOMOTION CORPORATION 2,732,236
SNECMA 2,748,961
SNECMA 2,784,740
SNECMA 2,800,338
SNECMA 2,801,687
SNECMA 2,802,817
SOBEY, PETER JOHN MORLEY 2,812,735
SOCPRA SCIENCES SANTE ET HUMAINES S.E.C. 2,727,574
SODENO, KENICHI 2,944,326
SODHI, THOMAS SINGH 2,919,166
SOERGEL, SEBASTIAN 2,736,538
SOFFER, AVIV 2,735,247
SOLETANCHE FREYSSINET 2,715,409
SOLETANCHE FREYSSINET 2,735,625
SOLIS HERRERA, ARTURO 2,907,015
SOLVAY SPECIAL CHEM JAPAN, LTD. 2,781,794
SOMMER, ROBERT 2,735,795

SONG, JIANPING	2,723,923
SONG, RAN	2,889,961
SONG, XIAOQIAN	2,838,523
SONOCO DEVELOPMENT, INC.	2,870,266
SONOCO DEVELOPMENT, INC.	2,977,791
SONY CORPORATION	2,816,694
SOUTH EAST WATER CORPORATION	2,725,950
SOUTHBOURNE INVESTMENTS LTD.	2,706,977
SPARLING, DANNY EDWARD	2,959,367
SPECTRA7 MICROSYSTEMS (IRELAND) LIMITED	2,847,651
SPENCE, JONATHAN	2,906,441
SPENCER, DAVID	2,980,018
SPENCER, NICOLAS	2,907,893
SPENCER, NICOLAS	2,911,192
SPIEGELBERG, STEPHEN H.	2,679,274
SPRUELL, JASON M.	2,921,565
SPRUELL, JASON M.	2,927,964
SQUARE, INC.	2,777,765
SRINIVASAN, VENKATARAMAN	2,448,774
STACEY, WILLIAM JOHN	2,812,735
STACKPOLE INTERNATIONAL ENGINEERED PRODUCTS, LTD.	2,930,741
STAFFORD, DOUGLAS G.	2,745,871
STAGE, MATTHEW	2,842,373
STAHL, KERMIT E.	2,843,851
STAMICARBON B.V.	2,871,848
STANDARD KNAPP, INC.	2,774,991
STASIEWICH, JAMES	2,753,589
STASIEWICH, PHILIP D.	2,753,589
STASZEWSKI, LENA	2,776,701
STATE GRID ANHUI WUHU POWER SUPPLY COMPANY	2,903,912
STATE GRID CORPORATION OF CHINA (SGCC)	2,903,912
STATOIL PETROLEUM AS	2,801,124
STEELE, DAVID THOMAS	2,810,120
STENSON, MICHAEL	2,834,346
STEPAN COMPANY	2,800,171
STEWART, BRIAN G.	2,756,662
STOCHNIOL, GUIDO	2,918,121
STOCHNIOL, GUIDO	2,918,122
STOECKEL, JOHANNES	2,813,089
STOKES, BENJAMIN	2,814,740
STOKKE, RYAN M.	2,905,052
STOKKE, RYAN M.	2,905,056
STORA ENSO OYJ	2,797,882
STORACE, LOUIS	2,762,174
STORAGE, MICHAEL RALPH	2,911,757
STOREY, BRYAN T.	2,910,772
STOVING, PAUL N.	2,688,198
STRAD ENERGY SERVICES LTD.	2,753,589
STRAKA, GORDON A.	2,741,868
STRIFLER, BETH ANN	2,901,468
STRING, GREGORY F.	2,788,216
STRUBBE, PETER	2,843,761
STRUDWICKE, CRAIG DONALD	2,812,735
STRYKER EUROPEAN HOLDINGS I, LLC	2,761,925
SULLIVAN, SEAN	2,714,199
SULLIVAN, WILLIAM PAUL	2,871,570
SUMITOMO CHEMICAL COMPANY, LIMITED	2,790,072
SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC	2,959,367
SUSSMAN, GLENN	2,913,897
SUYLEKOM, VAN, GIJSBERDINA PIETERNELLA	2,714,592
SUZUKI, SHINJU	2,916,166
SWAILE, DAVID FREDERICK	2,918,218
SYMANTEC CORPORATION	2,915,068
SYMMS, JOSHUA V.	2,857,844
SYMONDS, GEOFFREY PHILLIP	2,747,941
SYNCRUDE CANADA LTD.	2,906,441
SYNCRUDE CANADA LTD.	2,912,898
SYNCRUDE CANADA LTD.	2,937,004
SYNGENTA LIMITED	2,796,271
SYNGENTA LIMITED	2,804,730
SYNGENTA PARTICIPATIONS AG	2,704,518
SYNGENTA PARTICIPATIONS AG	2,907,491
SZCZESNIAK, MICHAL	2,960,138
TAGGART, MARK R. J.	2,732,375
TAIHO PHARMACEUTICAL CO., LTD.	2,921,208
TAJIMA, SHIN	2,903,439
TAKADA, MASARU	2,907,883
TAKAHASHI, KENZO	2,935,648
TAKAHASHI, MANABU	2,910,439
TAKAHASHI, TOSHIMITSU	2,903,439
TAKEDA PHARMACEUTICAL COMPANY LIMITED	2,797,812
TALBERT, VINCENT W.	2,604,913
TAMAKOSHI, TOMIO	2,743,994
TAMMARO, LOREDANA	2,748,324
TAN, YUN-CHOU	2,799,328
TANAKA, SOICHI	2,790,072
TANAKA, YASUTOMO	2,944,326
TANI, MASAAKI	2,903,439
TAO, QING	2,838,517
TAO, QING	2,838,523
TARIEL, HUGUES	2,843,536
TATUYOU, LLC	2,739,837
TELEFLEX MEDICAL INCORPORATED	2,906,106
TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)	2,802,299
TELLO, LUCIO N.	2,900,861
TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED	2,881,167
TENDYNE HOLDINGS, INC.	2,844,746
TERAO, CHIAKI	2,964,669
TERRALUX, INC.	2,833,344
THALES HOLDINGS UK PLC	2,790,251
THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA	2,687,269
THE BOEING COMPANY	2,804,222
THE BOEING COMPANY	2,813,430
THE BOEING COMPANY	2,886,122
THE BRAUN CORPORATION	2,964,567
THE GENERAL HOSPITAL CORPORATION	2,679,274
THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES	2,773,665
THE PROCTER & GAMBLE COMPANY	2,918,218
THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE	2,913,897
THE REGENTS OF THE UNIVERSITY OF MICHIGAN	2,769,676
THE SHERWIN-WILLIAMS COMPANY	2,907,130
THE SHERWIN-WILLIAMS COMPANY	2,907,134
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	2,852,277
THE UNIVERSITY OF AKRON	2,768,218
THEILE, TOBIAS	2,930,609
THERAKOS, INC.	2,747,941
THERAVANCE BIOPHARMA R&D IP, LLC	2,869,908
THIES, R. SCOTT	2,453,068
THOMAS, ANTON, FELIPE	2,912,646
THOMAS, BEN	2,879,026
THOMAS, JULE W. JR.	2,899,062
THOMAS, JULE W., JR.	2,899,057
THOMAS, PETER E.	2,806,716
THOMAS, RAYMOND H.	2,826,545
THOMPSON, JOHN	2,860,964
THOMPSON, TROY	2,742,012
THOMPSON, WILLIAM	2,742,012
THORMANN, MICHAEL	2,735,795
THYSSENKRUPP ELEVATOR CORPORATION	2,894,360
TIEU, TAI D.	2,758,509
TILLEMAN, MICHAEL M.	2,855,650
TIRTOWIDJOJO, MAX M.	2,903,760
TOBELEM, GERARD	2,793,985
TODD, ERIC	2,776,540
TORAY INDUSTRIES, INC.	2,703,350
TOREKOV, RASMUS KAASTRUP	2,775,175
TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION	2,743,994
TOTAL MARKETING SERVICES	2,784,491

Index des brevets canadiens délivrés
20 février 2018

TOYOTA JIDOSHA KABUSHIKI KAISHA 2,903,439
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,910,245
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,916,691
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,924,471
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,937,999
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,941,285
TRAMONTINA, PAUL FRANCIS 2,779,533
TRANNINGER, MICHAEL 2,889,264
TRAUTMAN, MARK 2,911,108
TRAVERS, KEVIN 2,719,747
TRAYLOR, JAMES, MICHAEL 2,912,646
TREML, ANDREAS 2,735,795
TRIUMF 2,948,541
TSUJIUCHI, TATSUYA 2,883,111
TSUSHIMA, YUKI 2,797,812
TUOMINEN, KARI 2,810,763
TURBOMECA 2,790,191
TURCOTTE, DAVID E. 2,915,042
TURNER, STEPHEN 2,719,747
TUTTLE, RYAN M. 2,714,262
TUV RHEINLAND SONOVATION HOLDING B.V. 2,664,018
TWETEN, MONTE DOUGLAS 2,809,691
TX MEDIC AB 2,967,264
TYCO HEALTHCARE GROUP LP 2,681,891
U-HAUL INTERNATIONAL, INC. 2,448,774
UCL BUSINESS PLC 2,770,617
ULMA C Y E, S. COOP. 2,733,317
UNIQURE BIOPHARMA B.V. 2,737,094
UNIVERSITE BORDEAUX SEGALEN 2,787,302
UNIVERSITE DE BORDEAUX 1 2,787,302
UNIVERSITE PARIS DESCARTES 2,749,772
UNIVERSITE PARIS DIDEROT - PARIS 7 2,793,985
UNIVERSITE PARIS-SUD XI 2,749,772
UNIVERSITY OF OTTAWA 2,775,670
UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION 2,768,183
UPHAM, PAUL 2,714,199
URANO, JUN 2,710,359
USAMI, NOBORU 2,910,245
USG INTERIORS, LLC 2,746,373
USNR/KOCKUMS CANCAR COMPANY 2,908,838
VAISBAND, OLEG 2,735,247
VALENTA, PETR 2,921,565
VALENTA, PETR 2,927,964
VALIVAINIO, MIKKO 2,874,364
VALKENBERG, RALPH 2,930,741
VALLIANT, JOHN 2,948,541
VALOYA OY 2,827,820
VALVOLINE LICENSING AND INTELLECTUAL PROPERTY LLC 2,915,042
VAN CAMP, BRENT 2,928,085
VAN DE LIEFVOORT, MATTHIAS K. 2,908,181
VAN DOORN, JAN 2,707,170
VAN MECHELEN, MARCELLE PAULETTE 2,816,182
VAN OSCH, FELIX JOHANNES JACOBUS 2,795,538
VAN RIJSWICK, RUDOLFUS JOHANNES ADELEIDA 2,795,538
VANDROUX, DAVID 2,738,209
VATH, JAMES E. 2,786,603
VECCHINI, GIANLUCA 2,873,010
VEMULA, PRAVEEN KUMAR 2,801,699
VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT 2,866,666
VERMAIRE, ADRIAAN THOMAS 2,720,280
VERTEX DOWNHOLE LTD. 2,879,026
VERVISCH, PIERRE 2,772,699
VICTOR, JOHN C. 2,906,106
VIDHATE, ANAND 2,881,261
VIDLUND, ROBERT 2,844,746
VILJOEN, PETRUS JOHANNES 2,915,068
VITTORIA, VITTORIA 2,748,324
VITULLO, JEFFREY 2,906,106
VOLVO LASTVAGNAR AB 2,853,184
VON BEHREN, ROB 2,849,018
VON DEYN, WOLFGANG 2,736,538
W.L. GORE & ASSOCIATES, INC. 2,893,098
WAFER, RICHARD-PHILIPPE 2,673,335
WAGGER, KLAUS 2,782,190
WAILES, JEFFREY STEVEN 2,804,730
WALKER, DEANE S. 2,738,434
WALKER, ELAINE CLAIRE 2,700,325
WALL, JONATHAN 2,849,018
WALLER, ANNE 2,804,730
WALLNER, GEORGE 2,923,479
WANG, CHANGCHUN 2,893,181
WANG, DENGYUAN 2,838,517
WANG, DENGYUAN 2,838,523
WANG, HAISHENG 2,762,174
WANG, KING-YUAN 2,886,435
WANG, KUEI-YUNG 2,948,228
WANG, LIUFANG 2,903,912
WANG, NA 2,838,517
WANG, SHENG-PENG 2,924,566
WANG, XIAOLONG 2,893,181
WANG, YEQING 2,758,267
WARD, DAMIAN LEONARD 2,932,093
WARNER, DAVID F. 2,907,900
WARSAW ORTHOPEDIC, INC. 2,690,457
WARTHEN, R. MONTY 2,726,513
WARWICK, BENJAMIN DEAN 2,927,286
WATANABE, KENICHIRO 2,944,326
WATT, PHILIP 2,781,138
WAWDA, ABUBAKAR A. 2,915,068
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,829,591
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,842,373
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,848,563
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,857,381
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,857,844
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,900,861
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,916,004
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,916,019
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,932,093
WEAVER, J. MICHAEL 2,774,991
WEBER, JOSEF 2,804,771
WEBO WERKZEUGBAU OBERSCHWABAN GMBH 2,883,980
WEDI, JOHANNES 2,843,761
WEEBER, HENDRIK A. 2,784,794
WEGNER, CHRISTOPHER C. 2,964,567
WEI, GUOBAO 2,690,457
WEIR MINERALS NETHERLANDS B.V. 2,795,538
WEIS, JARRET 2,807,321
WEISS, STEVEN P. 2,889,961
WEISTER, NATHAN, J. 2,809,497
WEITZEL, HANS-JOACHIM 2,863,150
WEN, JI-RONG 2,797,401
WEN, YU-CHE 2,937,183
WESTERKAMP, BART 2,776,939
WESTERKAMP, BART 2,776,941
WESTINGHOUSE ELECTRIC COMPANY LLC 2,808,387
WHEELER, SIMON P. H. 2,910,027
WHITE, GERARD 2,846,553
WHITE, STEVEN B. 2,769,676
WHITLOCK, MICHAEL 2,919,020
WIELAND ELECTRIC GMBH 2,873,635
WIESE, STEPHEN J. 2,842,373
WILLEMSE, REMCO CORNELIS 2,908,172
WILLIAMS, DAVID J. 2,646,990
WILLIAMS, ROBERT O., III 2,697,099
WILSON TOOL INTERNATIONAL, INC. 2,741,868
WILSON, DAVID P. 2,826,545
WILSON, JAMES M. 2,852,277
WIND, TOM 2,846,191
WINDFUHR, MICHAELA 2,813,089

WINKLER, JURGEN	2,873,635
WINSTON PRODUCTS LLC	2,863,482
WINSTON PRODUCTS LLC	2,866,662
WINSTON PRODUCTS LLC	2,889,621
WIPF, PETER	2,768,183
WISE, KEVIN A.	2,886,122
WITCHER, DERRICK RYAN	2,901,468
WOJDYLA, ADAM	2,964,567
WOLFE, PATRICK SHANE	2,800,171
WONG, PHILIP	2,747,941
WOODELL-MAY, JENNIFER	2,810,202
WOODSIDE ENERGY TECHNOLOGIES PTY LTD	2,927,286
WOZNUK, WADE A.	2,887,768
WRIGHT, BRIAN	2,911,108
WU, BO	2,899,057
WU, GEFEI	2,915,042
WU, HUAN-PING	2,667,295
WU, TIFFANY	2,883,111
WU, XUELIANG	2,852,077
WU, XUELIANG	2,852,080
WU, YECHUN	2,838,517
WU, YECHUN	2,838,523
XEROX CORPORATION	2,871,394
XEROX CORPORATION	2,879,177
XEROX CORPORATION	2,899,057
XEROX CORPORATION	2,899,062
XIA, SHUQIANG	2,919,899
XING, TIANTIAN	2,838,523
XU, CHUNHUI	2,453,068
XU, JIANJUN	2,745,871
XU, YING-QING	2,797,401
YALCIN, BARIS	2,768,218
YAMAGUCHI, ATSUSHI	2,942,885
YAMAUCHI, MASATO	2,857,303
YANAGIHARA, HIDEYASU	2,905,255
YANG, QING	2,784,541
YANG, WEIWEI	2,919,899
YANG, YUNSONG	2,916,407
YAO, JIAN	2,899,057
YAO, JIAN	2,899,062
YASUTOMI, SEI	2,743,994
YE, XUDONG	2,621,394
YLITALO, CHRIS	2,910,225
YOKOTA, KAZUHIKO	2,781,794
YOKOYAMA, RYUUMA	2,831,447
YOO, HERB	2,770,078
YOO, JIN SAN	2,762,555
YOO, SANG KU	2,929,001
YOSHINAGA, NAOKI	2,843,588
YOUNG, JONATHAN A.	2,842,373
YU, YUEBIN	2,893,181
YUAN, SIMON	2,912,898
YUAN, WEI-XUE	2,936,720
YUAN-MEI CORP.	2,814,299
YUAN-MEI CORP.	2,886,435
YUYITUNG, TOM S.	2,723,511
ZAFGEN, INC.	2,786,603
ZANTHOFF, HORST-WERNER	2,918,122
ZANTOUT, ALAN	2,809,691
ZEISLER, STEFAN K.	2,948,541
ZHANG, BO	2,797,401
ZHANG, CHANGLI	2,903,912
ZHANG, CHENGWEI	2,838,517
ZHANG, RUOCHI	2,797,401
ZHANG, SHENGSHENG	2,704,518
ZHANG, XIAOLONG	2,881,167
ZHANG, YAXI	2,840,191
ZHAO, WEI	2,768,218
ZHEN, SHI	2,831,447
ZHEN, YUEQIAN	2,791,209
ZHONG, BODONG	2,831,447
ZHONG, DECHAO	2,852,077
ZHONG, DECHAO	2,852,080
ZHU, TAIYUN	2,903,912
ZHU, WENYU	2,762,174
ZHU, ZHEN	2,772,718
ZIESEL, NORBERT	2,883,980
ZIMMER, ERIK	2,959,554
ZOZULYA, SERGEY	2,776,701
ZTE CORPORATION	2,919,899
ZULOAGA AGIRREBALTZATEGI, ARITZ	2,733,317
ZWIERSCHKE, JAYSON	2,581,288

Index of Canadian Applications Open to Public Inspection

February 4, 2018 to February 10, 2018

Index des demandes canadiennes mises à la disponibilité du public

4 février 2018 au 10 février 2018

1863385 ONTARIO INC. 2,974,425
2750 - 6666 Q INC 2,937,988
8831386 CANADA INC. 2,944,089
ABL IP HOLDING LLC 2,975,110
ADAB, SHEKAIB 2,938,283
AFSHAR, ESTELLE 2,943,546
AGARWAL, SHUBHAM 2,943,546
AHMED, MARAWAN 2,975,645
ALEXANDER, CHRIS 2,956,946
ALEXANDER, JAMES R. 2,938,497
ANDERSEN, JAMES K. 2,969,805
ARORA, KUNAL 2,975,550
ATCHLEY, MICHAEL DEAN 2,974,314
ATOMIC ENERGY OF CANADA LIMITED / ENERGIE ATOMIQUE DU CANADA LIMITEE 2,938,613
AUDETTE, SHANE 2,938,613
AXIOSONIC, LLC 2,974,595
BADESHA, SANTOKH S. 2,975,487
BARAKAT, KHALED 2,975,645
BARILLA G. E R. FRATELLI S.P.A. 2,974,638
BAYNES, NIKALA LOUISE 2,938,471
BEARINGER, LARRY 2,974,425
BEAVERS, TONY JACK 2,974,075
BEISTEGUI SAGASTI, JAVIER 2,973,960
BELL HELICOPTER TEXTRON INC. 2,972,722
BELL HELICOPTER TEXTRON INC. 2,976,077
BELL HELICOPTER TEXTRON INC. 2,976,079
BEN-DOR, AMIR 2,974,406
BEYERS, JUSTIN E. 2,974,595
BH BIKES EUROPE, S.L. 2,973,960
BIAN, XIUYIN 2,940,071
BIERMAN, TONYA M. 2,974,595
BIOSENSE WEBSTER (ISRAEL) LTD. 2,974,406
BIOSENSE WEBSTER (ISRAEL) LTD. 2,974,410
BISGES, JOHN 2,973,547
BLACKWELDER, MARK JON 2,951,477
BLACKWELDER, MARK JON 2,951,489
BLACKWELDER, MARK JON 2,951,491
BODORIK, PETER 2,975,843
BONUTTI, PETER M. 2,974,595
BOSSE, ALEXANDRE 2,965,066
BREKKE, STEVEN 2,970,646
BRINDLE, JOSEPH 2,939,723
BRISCOE, RAY 2,962,178
BROWN, WILLIAM J. 2,975,933
BSH HAUSGERATE GMBH 2,962,178
BSH HOME APPLIANCES CORPORATION 2,962,178
BURGULA, YASH 2,975,541
BUTTINI, ROBERTO 2,974,638
CALVELEY, SANDRA M. 2,974,340
CAPITAL ONE SERVICES, LLC 2,975,550
CARRARO S.R.L. 2,975,906
CARRARO, RINALDO 2,975,906
CASTRUCCI, DAVID 2,973,547
CATERPILLAR INC. 2,974,006
CHANG, KAI SHING 2,974,667
CHAREST, ALEXANDRE 2,975,356
CHEN, HONG 2,985,012
CHEN, SEAN JY-SHYANG 2,948,257
CHENG, NATHAN 2,985,012
CHINOOK HAY SYSTEMS INC. 2,987,525
CLAPPER, JOSHUA E. 2,975,781
CNH INDUSTRIAL CANADA, LTD. 2,972,173
COLLINS, GAYLE 2,962,178
COM, BENJAMIN ISAAC 2,975,058
CONTINENTAL MILLS, INC. 2,975,541
COOMBS, SHAWN 2,943,546
CORBEIL, DAVID 2,975,594
CRANE, LEE GORDON 2,938,487
CRISP, MARTIN 2,975,933
CUCAR, CHRISTOPHER P. 2,975,563
CUNADO LANDA, FRANCISO JAVIER 2,973,960
DAITO PRESS MFG. CO., LTD. 2,973,080
DAON HOLDINGS LIMITED 2,975,127
DE GANON, MATTHEW 2,975,550
DE REGE THESAURO, FRANCESCO 2,975,523
DE-DEUS, GUSTAVO 2,943,435
DEAN, ROY LUCAS 2,975,781
DEERE & COMPANY 2,972,891
DEVNATH, RINI 2,943,546
DINH, CONG THANH 2,976,073
DOMBROWSKI, GARY W. 2,974,089
DONG, ZHAOXU 2,974,006
DUFFIN-MAXWELL, KELLY 2,975,541
DUFORT, RON E. 2,975,487
DYER, KELLY NOEL 2,948,257
DYNACRAFT BSC, INC. 2,973,547
EMISSION TECHNOLOGIES INTERNATIONAL LIMITED 2,946,328
ERWAY, CHARLES 2,944,091
ETHICON, INC. 2,974,421
FEFER, MICHAEL 2,938,096
FERRARI, CORRADO 2,974,638
FIGUEROA, MIGUEL 2,975,548
FINE COTTON FACTORY INC. 2,975,609
FOTENIUK, MYKOLA 2,975,477
FRASIER, MICHAEL E. 2,972,891
FRAZIER, W. LYNN 2,975,842
FRIEDT, NICHOLAS 2,974,737
GANESAN, ARAVINDHAN 2,975,645
GARCIA, EMMANUEL A. 2,966,103
GAREAU, ERIC 2,975,477
GEISLER, VINCE 2,938,362
GOMEZ, CESAR 2,975,477
GOMEZ, DIOGENES M 2,971,801
GOODIER, PETER CHARLES 2,968,438
GREEN, LAWRENCE D. 2,972,891
GREEN, STEPHEN 2,975,541
GREENPOWERUSA INC. 2,969,805
GRIMM, LAFE 2,975,233
GRONINGA, KIRK L. 2,976,077
GRONINGA, KIRK L. 2,976,079
GRYSHCHENKO, SERGII 2,975,477
GUCKEL, CHRISTIAN 2,985,012
GUNDETI, RAMESH 2,943,546
HAMMERSLEY, DONOVAN 2,985,012
HANGZHOU POWER YOUNG TECHNOLOGY CO. LTD 2,938,774
HANSON, SHANE 2,975,233
HART, DOUGLAS R. S. 2,975,467
HAYWARD INDUSTRIES, INC. 2,975,058
HERAULT, RAYMOND E. 2,941,036
HIGH, DONALD R. 2,974,314
HOFMANN, KEVIN 2,943,546
HOLLANDER SLEEP PRODUCTS, LLC 2,940,071
HOLTKAMP, CHRISTIAN PETER 2,975,640
HOME DEPOT INTERNATIONAL, INC. 2,943,546
HONEYWELL INTERNATIONAL INC. 2,975,933
HOOVER, LINN C. 2,975,487
HOTTON, KEVIN 2,975,751
HOUGHTON, MICHAEL 2,975,645
HOYLE, CHRIS 2,962,178
HU, XUEFEI 2,974,006
HUI, KA PO CATHERINE 2,972,173
HUSS, JAMES F. 2,974,922
ILOT, PAUL 2,975,233
INCONNU 2,937,988
INCONNU 2,938,510
INTELLIGENT SYNTHETIC BIOLOGY CENTER 2,961,005
IONITA, MIRCEA 2,975,127
ISMERT, CHRISTOPHER J. 2,975,563
ISMERT, JOSEPH N. 2,975,563
JEONG, JONG MIN 2,961,005
JEONG, WON II 2,961,005
JONES, ANNETTE 2,975,541

Index of Canadian Applications Open to Public Inspection
February 4, 2018 to February 10, 2018

JOSHI, NINAD 2,969,937
JULIAN, FRANK D. 2,975,563
JUTLA, DAWN N. 2,975,843
KABUSHIKI KAISHA TOKAI RIKA DENKI SEISAKUSHO 2,975,916
KAMBEITZ, DARCEY 2,938,324
KANUNGO, MANDAKINI 2,975,487
KAZAZIAN, ANTHONY 2,976,081
KELLAR, MICHEAL D. 2,938,345
KETELAER, JENS 2,975,512
KETELAER, JENS 2,975,574
KHROMOV, SERGEY 2,987,662
KIEFFER, BRADLEY JOSEPH 2,972,171
KILE, RONALD J. 2,975,128
KIM, MYUNG HO 2,961,005
KIM, SO YEON 2,961,005
KIM, SUN CHANG 2,961,005
KIMMETT, LESLIE L. 2,974,340
KING, BRADLEY W. 2,939,387
KLUVER, JARED 2,972,171
KOLLAR, KEVIN J. 2,974,737
KONGAMNACH, AMNACH 2,974,075
KORNEGAY, BRANDON 2,962,178
KOSUGI, MASANORI 2,975,916
KUNTZELMAN, TOBY 2,972,750
LAMARRE, SYLVAIN 2,975,356
LANGTRY, DAVID 2,938,523
LAU, WAYNE W. K. 2,975,468
LAU, WAYNE WK 2,938,252
LEE, BALIN 2,985,012
LEE, JOSHUA Y. 2,966,103
LEE, NICK 2,975,935
LEEDER, SHAWN 2,938,613
LEWIS, MATTHEW 2,975,751
LI, JIE 2,938,774
LIGHT UP TECHNOLOGY GROUP LIMITED 2,974,667
LIU, HAIYAN 2,940,071
LIU, JUN 2,938,096
LOUIS, MATTHEW E. 2,976,077
LOUIS, MATTHEW E. 2,976,079
LULU SOFTWARE HOLDINGS 2,975,477
LUO, PU 2,974,089
LYSENKO, ANATOLIY 2,975,477
MA, LIN 2,974,003
MABU, HIROTOSHI 2,975,469
MABU, HIROTOSHI 2,975,800
MAGNUM OIL TOOLS INTERNATIONAL, LTD 2,975,842
MAJEED, MUHAMMED 2,941,050
MAJUMDAR, PARTHA S. 2,974,089
MALCOLM, ROHAN V. 2,975,843
MARTIN, CHRIS 2,938,362
MARTIN, CHRISTOPHER S. 2,987,525
MARTIN, JARED S. 2,987,525
MASSARWI, FADY 2,974,410
MATSUBAYASHI, SATOSHI 2,975,469
MATSUBAYASHI, SATOSHI 2,975,800
MENASSA, CHERIF 2,975,594
MERCER, MICHAEL DAMION 2,975,058
MESLIOUI, SID-ALI 2,969,937
MEUNIER, GABRIEL 2,975,355
MEUNIER, GABRIEL 2,975,356
MILLER, DAVID L. 2,972,722
MILLER, DRAKE DUANE 2,968,438
MITEK HOLDINGS, INC. 2,970,646
MITSUI HIGH-TEC, INC. 2,975,469
MITSUI HIGH-TEC, INC. 2,975,800
MOTEUR AREL LIMITEE 2,938,510
MROUE, JOSEPH 2,944,089
NAGABHUSHANAM, KALYANAM 2,941,050
NAIB, DEAN 2,975,110
NAKAR, ELAD 2,974,406
NASH, BRADY 2,938,096
NG, CHOON-SUN JAMES 2,987,662
NGUYEN, NICK N. 2,974,421
NGUYEN, RYAN 2,975,768
NICHOLSON, JAMES C. 2,974,590
NOK CORPORATION 2,974,717
NORTH AMERICAN PIPE COMPANY 2,975,781
NORTON, MARK 2,975,110
NOVAKOVIC, BORIS 2,975,640
O'NEIL, MICHAEL 2,976,073
OAKES, GARY D. 2,971,973
OREN, RAN 2,975,548
ORORA PACKAGING SOLUTIONS 2,944,091
PARAGON TANK TRUCK EQUIPMENT, LLC 2,968,438
PASON SYSTEMS CORP. 2,987,662
PAT TECHNOLOGY SYSTEMS INC. 2,976,081
PATEL, BIREN 2,975,609
PATENT APPLIED TECHNOLOGY 2,938,523
PATRY, BENOIT 2,965,066
PEDRAMI, REZA 2,975,355
PEER LEDGER INC. 2,975,843
PICKARD, KEITH 2,944,091
PILGERAM, KYLE CRAIG 2,975,548
PIONEER ENERGY, INC. 2,975,751
PLEWS, INC. 2,972,750
POLIANSKI, VLADIMIR 2,938,362
PRAETORIUS, MANUEL 2,975,574
PRATT & WHITNEY CANADA CORP. 2,965,066
PRATT & WHITNEY CANADA CORP. 2,969,937
PRATT & WHITNEY CANADA CORP. 2,975,355
PRATT & WHITNEY CANADA CORP. 2,975,356
PRIMEX MANUFACTURING LTD. 2,985,012
PROBIN, ROBERT J. 2,975,933
PUPOVAC, RADE 2,975,640
QU, HUIMING 2,943,546
RANCURET, PAUL M 2,951,491
RANCURET, PAUL M. 2,951,477
RANCURET, PAUL M. 2,951,489
RANIR, LLC 2,974,737
RASH, ELAD 2,975,548
RECHARGE VEHICULE ELECTRIQUE INC. 2,975,594
REIST, CLARENCE S. 2,987,525
REIST, EDGAR S. 2,987,525
RIBOLDI, GIANCARLO 2,974,638
RICHMOND, JOSHUA LEE 2,948,257
ROBERGE, MARTIN J. 2,972,173
ROBERTSON, DANIEL B. 2,976,077
ROBERTSON, DANIEL B. 2,976,079
ROBINSON, GREGORY E. 2,938,514
RODRIGUEZ, JOSHUA 2,938,362
ROHM AND HAAS COMPANY 2,974,089
ROLLS-ROYCE CORPORATION 2,970,490
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,951,477
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,951,489
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,951,491
ROMM, SHERRI 2,937,944
ROSS, BRENT CHADWICK 2,972,722
ROSS, WILLIAM (BILL) JAMES 2,946,328
RUGGERI, ALESSANDRO 2,974,638
RUIZ, ERWIN 2,975,487
SARGSYAN, GEVORG 2,975,751
SAUER GMBH 2,975,512
SAUER GMBH 2,975,574
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC 2,974,590
SCHENK, PETER M. 2,970,490
SCHWEISS, MICHAEL L. 2,944,757
SEKER GAFNI, NOAM 2,974,406
SELA, GAL 2,948,257
SHENG, XIAOQING 2,938,258
SHI, FONG 2,972,453
SINGLETON, CHRISTOPHER B. 2,966,103
SIOUX CHIEF MFG. CO., INC. 2,975,563
SPM AUTOMATION (CANADA) INC. 2,975,640
SRIMOHANARAJAH, KIRUSHA 2,948,257
STEPANOV, VADYM 2,975,477
STRYKER CORPORATION 2,975,548
SUNCOR ENERGY INC. 2,938,096
SUPERIOR INDUSTRIES, INC. 2,975,233
SYNAPTIVE MEDICAL (BARBADOS) INC. 2,948,257
SYNQ ACCESS + SECURITY TECHNOLOGY LTD. 2,938,362
TALIOS, BILL 2,973,547
TANG, LONGXIN 2,938,774
TANIDA, MASAYUKI 2,974,717
TECMEN ELECTRONICS CO., LTD. 2,953,970
THE BOEING COMPANY 2,966,103
THE BOEING COMPANY 2,971,973
THE BOEING COMPANY 2,972,453
THE BOEING COMPANY 2,972,921
THE GOVERNORS OF THE UNIVERSITY OF ALBERTA 2,975,645
THE HILLMAN GROUP, INC. 2,974,922

THERMOLEC LTEE	2,975,594
THOMAS & BETTS INTERNATIONAL, LLC	2,976,073
THOMPSON, DENNIS GEORGE	2,972,173
THOMPSON, JOHN PAUL	2,974,314
TIEMAN VEHICLE TECHNOLOGIES LLC	2,975,024
TIEMAN, CRAIG ARNOLD	2,975,024
TILLOTSON, BRIAN J.	2,972,921
TOUESNARD, ZACHARY	2,975,640
TRAN, MIHN S.	2,956,946
TRICKLER, CHRISTOPHER	2,975,110
TRIVEDI, DWIJ	2,975,550
TYRRELL, LORNE	2,975,645
UNKNOWN	2,939,723
VAN BERKEL, SAMUEL P.	2,975,467
VAREL INTERNATIONAL IND., L.P.	2,974,075
VEMANA, PRAT	2,943,546
VIDAL, ARMANDO	2,975,548
VO, CHAU THIEN	2,976,081
WAL-MART STORES, INC.	2,972,171
WAL-MART STORES, INC.	2,974,314
WALL, ADAM	2,938,283
WALL, WESLEY	2,938,283
WALSH, JERRY	2,975,656
WANG, JINLIAN	2,940,071
WARNER, BENJAMIN	2,975,523
WASHINGTON, AARON L., II	2,974,590
WATERSHED TECHNOLOGIES INC.	2,975,467
WESTRICK, RICHARD L., JR.	2,975,110
WHEELER, NOLAN	2,938,362
WIEKER, HEINRICH	2,975,595
WILLIS, VANCE ELLIOT	2,975,058
WINKLE, DAVID	2,974,314
WINNAT, JEREMIAH T.	2,975,563
WINTERMARK, PIA	2,975,049
WU, JIN	2,974,003
WU, ZIQIAN	2,953,970
XEROX CORPORATION	2,974,003
XEROX CORPORATION	2,975,487
YAGI, MASAAKI	2,974,717
YARED, GHASSAN	2,943,435
YIN, CHENZHONG	2,938,281
YIN, CHENZHONG	2,938,358
YORE, BENJAMIN	2,975,548
YOSHIDA, TAKASHI	2,973,080
YOUNG, ANDREW C.	2,975,751
ZANG, KAI	2,985,012
ZHANG, YANCHAI	2,974,006
ZOABI, AKRAM	2,974,410
ZUBRIN, ROBERT M.	2,975,751

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

1010210 B.C. LTD. 2,993,443
10353744 CANADA LTD. 2,993,033
10353744 CANADA LTD. 2,993,035
10353744 CANADA LTD. 2,993,036
10353744 CANADA LTD. 2,993,062
10353744 CANADA LTD. 2,993,071
10353744 CANADA LTD. 2,993,086
10353744 CANADA LTD. 2,993,087
10353744 CANADA LTD. 2,993,088
10353744 CANADA LTD. 2,993,089
10353744 CANADA LTD. 2,993,090
10353744 CANADA LTD. 2,993,091
10353744 CANADA LTD. 2,993,103
10353744 CANADA LTD. 2,993,105
10353744 CANADA LTD. 2,993,106
10353744 CANADA LTD. 2,993,108
10353744 CANADA LTD. 2,993,109
10353744 CANADA LTD. 2,993,110
10353744 CANADA LTD. 2,993,112
10353744 CANADA LTD. 2,993,243
10353744 CANADA LTD. 2,993,244
10353744 CANADA LTD. 2,993,246
10353744 CANADA LTD. 2,993,248
10353744 CANADA LTD. 2,993,249
10353744 CANADA LTD. 2,993,251
10353744 CANADA LTD. 2,993,252
10353744 CANADA LTD. 2,993,253
10353744 CANADA LTD. 2,993,254
10353744 CANADA LTD. 2,993,255
10353744 CANADA LTD. 2,993,256
10353744 CANADA LTD. 2,993,258
10353744 CANADA LTD. 2,993,259
10353744 CANADA LTD. 2,993,455
10353744 CANADA LTD. 2,993,525
10353744 CANADA LTD. 2,993,526
10353744 CANADA LTD. 2,993,527
10353744 CANADA LTD. 2,993,528
10353744 CANADA LTD. 2,993,529
10353744 CANADA LTD. 2,993,530
10353744 CANADA LTD. 2,993,532
10353744 CANADA LTD. 2,993,534
10353744 CANADA LTD. 2,993,583
10353744 CANADA LTD. 2,993,584
10353744 CANADA LTD. 2,993,585
10353744 CANADA LTD. 2,993,589
10353744 CANADA LTD. 2,993,592
10353744 CANADA LTD. 2,993,677
10353744 CANADA LTD. 2,993,678
10353744 CANADA LTD. 2,993,681
10353744 CANADA LTD. 2,993,684
3M INNOVATIVE PROPERTIES COMPANY 2,993,165
6TH WAVE INNOVATIONS CORP. 2,993,292
ABAXIS, INC. 2,991,532
ABBOTT LABORATORIES 2,993,228
ABBOTT MOLECULAR INC. 2,992,449
ABRAHAMI, NADAV 2,993,761
ADACHI, NOBUAKI 2,993,605
ADELMAN, BURT 2,993,026
AEOON TECHNOLOGIES GMBH 2,991,939
AEOON TECHNOLOGIES GMBH 2,991,946
AERIE PHARMACEUTICALS, INC. 2,993,340
AGRO INTELLIGENCE APS 2,990,067
AGUADO, JULIO 2,993,128
AKAAL PHARMA PTY LTD 2,993,621
AKZENTA PANEELE + PROFILE GMBH 2,993,498
ALCACER GARCIA, JAVIER LUIS 2,993,118
ALIBABA GROUP HOLDING LIMITED 2,993,282
ALLEN, JILLIAN K. 2,993,280
ALLISON, JAMES W. 2,992,459
ALMOG, NOAM 2,993,762
ALPHENAAR, DEIRDRE 2,992,088
ALVAREZ, TARA LYNN 2,993,324
AMANN, RALF 2,993,263
AMINA, MAHDI 2,993,156
AMIRANA, OMAR 2,993,167
AMOSKOV, VIKTOR MIHAYLOVICH 2,993,522
AMPOLINI, FREDERIC PHILIPPE 2,992,941
ANADOLU UNIVERSITESI REKTORLUGU 2,991,608
ANDERSON, TROY ANDREAS 2,993,186
ANDREWS, STEPHEN MARK 2,993,117
ANEKAL, SAMARTHA 2,993,316
ANGULO, DAVID 2,993,602
ANSELL, DARREN WILLIAM 2,993,156
ANTONISCHKI, JORN 2,991,339
AO TECHNOLOGY AG 2,993,079
AOKI, MOTONOBU 2,993,136
AOKI, MOTONOBU 2,993,141
AOKI, MOTONOBU 2,993,151
API HEALTHCARE CORPORATION 2,992,320
APOLLO ENERGY SERVICES CORP. 2,993,419
APPLIED MEDICAL RESOURCES CORPORATION 2,992,552
APPLIED MEDICAL RESOURCES CORPORATION 2,993,197
ARABI, KARIM 2,992,855
ARAKAWA, DAISUKE 2,993,291
ARAXES PHARMA LLC 2,993,013
ARGUETA, JOCELYN LINDARI 2,992,450
ARMSTRONG, KENNETH C. 2,993,167
ARNST, THEODORE 2,993,822
ARON, KENNETH P. 2,991,532
ARONICA, ALAIN 2,993,452
ARREDONDO MARTINEZ, YOLANDA ESTHER 2,993,134
ARSLANOVA, DAR'YA NIKOLAEVNA 2,993,522
ARYSTA LIFESCIENCE CORPORATION 2,987,545
ASANO, HIROYUKI 2,993,629
ASHIDA, KINYA 2,993,773
ASHRAF, ARMAN 2,991,934
ASSURED BITES, INC. 2,993,305
AT&T INTELLECTUAL PROPERTY I, L.P. 2,993,045
AT&T INTELLECTUAL PROPERTY I, LP 2,993,031
ATALA, ANTHONY 2,993,541
ATHENA DRUG DELIVERY SOLUTIONS PVT LTD. 2,993,597
ATHENEX THERAPEUTICS LIMITED 2,993,127
ATKINS, JEFFERY M. 2,987,284
ATTI, VENKATRAMAN 2,993,004
AVENT, INC. 2,993,283
AVIDOV, AMIT DOV 2,993,023
AYESA, SUSANA 2,993,144
B. PAIXAO, VITOR 2,992,390
BACIAK, JAMES EDWARD 2,993,025
BAE, MISEON 2,987,570
BAESA, RENAUD 2,992,533
BAKER HUGHES, A GE COMPANY, LLC 2,993,159
BAKER, MILTON 2,992,938
BALAKRISHNAN, SANKAR 2,987,545
BALDWIN, CHARLES A. 2,993,452
BALDWIN, CHRISTOPHER W. 2,993,813
BALDWIN, CHRISTOPHER W. 2,993,826
BALESTRINI, ANDREA 2,986,965
BALL CORPORATION 2,992,441
BALLAMY, LUCY 2,992,999
BALLARD POWER SYSTEMS INC. 2,992,456
BARAK, AMIT 2,993,133
BARAK, HAGAI 2,993,133
BARAM, DAVID 2,993,600
BARBATO, VINCENZO 2,992,792
BARBERIS, CLAUDE 2,993,018
BARBOD, LEONARD DARIUS 2,993,280
BARDEN, ROB 2,993,240
BAREL, OFFIR 2,993,607
BARES, JILL 2,992,320
BARNETT, DALE 2,992,938

BARNICKEL, DONALD J. 2,993,045
BARRETT, RACHEL REBECCA 2,993,329
BARRON, ROBERT 2,993,825
BARTSCHER INNOVATIONSTECHNOLOGIEN GMBH 2,991,243
BARTSCHER, GERHARD 2,991,243
BARZEGAR, FARHAD 2,993,045
BASF SE 2,993,117
BASF SE 2,993,247
BASSETT, MICHAEL 2,993,182
BAUER SPEZIALTIEFBAU GMBH 2,993,114
BAUGHMAN, DAVID R. 2,993,331
BEARSS, DAVID J. 2,993,659
BEDNAROWSKI, DARIUSZ 2,991,339
BEHM, WILLIAM F. 2,991,851
BEHRENS, JONAS 2,991,248
BEISEL, JOSEPH A. 2,993,148
BEISEL, JOSEPH A. 2,993,150
BELCHER, JEB E. 2,993,025
BELKE, JEFFREY VICTOR 2,993,774
BELLINGHAM, GREGORY JOHN 2,990,442
BELOV, ALEKSANDR VYACHESLAVOVICH 2,993,522
BELYAKOV, VALERIY ARKADYEVICH 2,993,522
BEN SIMON, ILAN 2,993,023
BEN-AHARON, RONI 2,993,761
BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 2,993,169
BENFORD, ALBERT L. 2,993,452
BENLLOCH GARCIA, MARIA 2,993,118
BENNETT, JOSEPH W., III 2,991,852
BENNETT, ROBERT 2,993,045
BENOIT, BERNARD 2,988,477
BENOSMAN, RYAD 2,992,036
BERGH, ANDERS OLOF INGEMAR 2,993,607
BERNIER, DANY 2,993,414
BERRY, RICHARD 2,993,467
BERTRAND, MEGAN 2,993,144
BETA CAT PHARMACEUTICALS, INC. 2,993,644
BETH ISRAEL DEACONESS MEDICAL CENTRE, INC. 2,993,676
BETTIOL, JEAN-LUC PHILIPPE 2,992,439
BHAT, PRASHANT 2,992,948
BIOCONSORTIA, INC. 2,993,188
BIOCORP PRODUCTION S.A. 2,991,686
BIOCORP PRODUCTION S.A. 2,991,688
BIOMERICA, INC. 2,992,950
BITTON, MICHEL MEYER 2,993,514
BLACK, KATIE 2,992,552
BLACK, KRISTENANN 2,993,645
BLACKBERRY LIMITED 2,993,453
BLACKMON, MATTHEW B. 2,993,295
BLACKWELL, CHARLIE P. 2,993,165
BLACKWELL, JENNIFER 2,993,280
BLAESS, DONALD K. 2,993,668
BLANCHET, SCOTT 2,993,008
BLESSER, BARRY A. 2,993,192
BLUE SOLUTIONS 2,993,125
BLUEBEAM, INC. 2,993,664
BML PRODUCTIONS, INC. 2,992,443
BODDEN, GREGORY 2,992,320
BODOR LABORATORIES, INC. 2,993,602
BODOR, NICHOLAS S. 2,993,602
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 2,993,329
BOERS, WESLEY YVONNE PIETER 2,992,439
BOGNER, HARRY 2,991,399
BOMBARDIER RECREATIONAL PRODUCTS INC. 2,993,126
BOMBARDIER RECREATIONAL PRODUCTS INC. 2,993,413
BOMBARDIER RECREATIONAL PRODUCTS INC. 2,993,414
BOMBARDIER TRANSPORTATION GMBH 2,993,094
BOMBARDIERI, MICHELE 2,992,248
BONNELL, LEO 2,987,543
BORGMEIER, PAUL R. 2,993,172
BORRAS HIDALGO, ORLANDO 2,993,456
BOSCO, PETER J. 2,992,983
BOUCHON, PATRICK 2,993,122
BOWER, BRENTON 2,993,487
BRAMMER, MICHAEL A. 2,993,161
BRANLY, KEITH 2,993,434
BRAUN GMBH 2,990,921
BRAUN GMBH 2,990,924
BREGA, ENRICO 2,991,534
BREMNER, CHRISTOPHER 2,993,355
BRENNER, ALBRECHT 2,992,655
BREYTENBACH, MORNE 2,991,675
BRISTOL, INC., D/B/A ROMOTE AUTOMATION SOLUTIONS 2,993,220
BROCHU, CHRISTIAN 2,993,144
BRODERS, JURGEN 2,993,290
BROWN, STEPHEN C. 2,991,419
BROWN, STEPHEN C. 2,991,761
BRUHEIM, INGE 2,987,008
BRUZZONE, CHARLES L. 2,993,165
BUCKMAN INTERNATIONAL LABORATORIES, INC. 2,993,191
BUDNYK, MYKOLA MYKOLAIOVYCH 2,993,433
BUEHRER, BENJAMIN 2,993,224
BUEHRER, BENJAMIN 2,993,227
BUI, IAN T. 2,993,813
BUI, IAN T. 2,993,826
BUILDPULSE, INC. 2,991,224
BURT, JASON 2,991,224
BYLUND, JOHAN 2,993,144
CAI, XIAOMIN 2,993,100
CAMERON, JOHN 2,987,008
CAMPBELL, DONALD L., JR. 2,993,161
CAMPBELL, DOUGLAS 2,993,102
CANFIELD, DOUGLAS JOHN 2,992,450
CANNAN, DAVID D.B. 2,992,948
CAO, YIJUN 2,993,586
CAPOOR, MANU 2,993,180
CAPSUGEL BELGIUM NV 2,987,867
CARBO CERAMICS INC. 2,992,942
CARBONELL, RUBEN G. 2,993,235
CARDIFF GROUP, NAAMLOZE VENNOOTSCHAP 2,993,341
CARIS SCIENCE, INC. 2,993,652
CARLSON, JULIAN PAUL 2,993,443
CARON PRODUCTS AND SERVICES, INC. 2,992,938
CARROLL, WILLIAM J. 2,993,814
CARSGEN THERAPEUTICS CO., LTD. 2,993,262
CASIMIRO-GARCIA, AGUSTIN 2,987,179
CASTROL LIMITED 2,987,861
CATACORE, INC 2,993,196
CELGENE CORPORATION 2,993,173
CELIKER, HASAN 2,987,863
CENTAURUS BIOPHARMA CO., LTD. 2,993,687
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS - 2,992,036
CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA 2,993,456
CEPHEID 2,992,787
CEPHEID 2,992,978
CERDA MICO, CONCEPCION 2,993,118
CERNAKS, DMITRIJS 2,987,708
CERNOBROVIJS, ALEKSANDRS 2,987,708
CESANE, CRISTIAN 2,992,459
CHAIKOF, ELLIOT L. 2,993,676
CHAMBERLIN, IAN D. 2,992,983
CHAMBERS, BENJAMIN T. 2,991,621
CHAN, KWAN CHEE 2,993,362
CHAN, KWAN CHEE 2,993,588
CHAN, VIVIEN WAI-FAN 2,993,185
CHANG, YI-PING 2,993,632
CHASTEEN, HOWARD C. 2,992,441
CHAUDHARI, AMOL Y. 2,993,597
CHAUDHARI, MAHENDRA B. 2,993,597
CHAUDHARI, SUNIL 2,986,839
CHAULAGAIN, CHAKRA 2,986,594
CHAYKOVSKYY, ILLYA ANATOLIIOVYCH 2,993,433
CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR 2,993,004
CHEMEL, BRIAN J. 2,993,454
CHEN, MICHAEL 2,993,316
CHEN, SHANG-HONG 2,987,455
CHEN, ZHISHENG 2,993,272
CHEN, ZHISHENG 2,993,276
CHENG, ANDREW A. 2,993,631
CHENG, RICHARD 2,993,676
CHERESH, DAVID A. 2,986,379
CHERNOBROVKIN, YURIY VASILEVICH 2,993,516
CHEVRON ORONITE COMPANY LLC 2,986,760

CHEVRON PHILLIPS CHEMICAL COMPANY LP 2,993,667
CHEVRON PHILLIPS CHEMICAL COMPANY LP 2,993,675
CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD. 2,993,687
CHIANG, VINCENT 2,991,532
CHINA UNIVERSITY OF MINING AND TECHNOLOGY 2,993,586
CHINOOK ASIA LLC 2,993,544
CHIU, ROSSA WAI KWUN 2,993,362
CHIU, ROSSA WAI KWUN 2,993,588
CHO, EUNBYUL 2,992,450
CHOI, GILWOO 2,991,775
CHONG KUN DANG PHARMACEUTICAL CORP. 2,987,570
CHOUDHRY, MODASSIR 2,993,431
CHRISTENSEN, KENT 2,991,852
CIRCOR PUMPS NORTH AMERICA, LLC 2,993,290
CIXI BOSHENG PLASTIC CO., LTD 2,993,591
CLARK, DAVID ALAN 2,993,359
CLEARXCHANGE, LLC 2,992,457
CLUNAS, SCOTT 2,993,123
CO2 M-TECH CO., LTD. 2,992,021
COAKLEY, DARIUS 2,993,265
COCOS, NOAM 2,993,762
COHERENT BIOPHARMA 2,987,322
COLLINS, DAVID E. 2,993,808
COLLINS, DAVID E., JR. 2,993,813
COLLINS, DAVID E., JR. 2,993,826
COLLUM, RANDALL L., JR. 2,992,088
COLOMBE, TEDDY 2,993,452
COMEAU, STEPHEN R. 2,993,026
COMENZO, RAYMOND 2,986,594
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION 2,993,359
CONDON, JEFFREY SCOTT 2,987,179
CONFLUENCE PHARMACEUTICALS, LLC 2,993,614
CONNOLLY, TERRENCE JOSEPH 2,993,173
CONOCOPHILLIPS COMPANY 2,993,028
CONTAINER GRAPHICS CORPORATION 2,993,138
CONVATEC TECHNOLOGIES INC. 2,992,999
COOPER TECHNOLOGIES COMPANY 2,993,101
CORNES, IAN 2,991,971
CORNING INCORPORATED 2,993,175
CORNING INCORPORATED 2,993,178
CORTI, DAVIDE 2,993,745
COSTA, RUI M. 2,992,432
COTARI, JESSE 2,993,313
COTARI, JESSE 2,993,320
COUNSYL, INC. 2,993,355
CRAYONANO AS 2,992,154
CRAYONANO AS 2,992,156
CREPEAU, JEAN-PHILIPPE 2,993,414
CROMPTON, DAVID 2,993,613
CUI, SHUANG 2,993,025
CZEKAJ, MARK 2,993,018
CZERNIECKI, BRIAN J. 2,992,925
CZERNIEKI, BRIAN J. 2,992,937
D'ADDA DI FAGAGNA, FABRIZIO 2,993,128
D'AGOSTINI, RAPHAEL 2,992,533
D'ANTONIO-BERTAGNOLLI, JOHN VITO 2,993,324
D'ARCY, SHANE 2,993,296
D'IPPOLITO, GIANFRANCO 2,993,119
DABIRI, DARIUSH 2,993,157
DAI, JIAN 2,987,322
DAIICHI SANKYO COMPANY, LIMITED 2,993,605
DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES 2,993,146
DAMIANO, EDWARD 2,993,830
DANA-FARBER CANCER INSTITUTE, INC. 2,993,267
DANIEAU, FABIEN 2,992,128
DARNELL, RONNIE B. 2,993,028
DAS, SANJIB 2,993,340
DAUGELA, JOHN 2,993,492
DAUM, KARL-HEINZ 2,993,120
DAUTE, CHRISTOPHER 2,992,320
DAVID, SARAH ELIZABETH 2,986,522
DAVIDSON, MICHAEL 2,993,028
DAVIES, JOHN PHILIP 2,987,861
DAVIS, CHRISTOPHER M. 2,993,280
DAVIS, DAVID JONATHAN 2,991,680
DAVIS, MICHAEL F. 2,993,632
DAVYDOV, ALBERT 2,993,330
DE GEUS, MICHAEL 2,980,753
DE GROOT, MARTIN THEODOOR 2,992,007
DE GROOT, MARTIN THEODOOR 2,992,008
DE LA RUE INTERNATIONAL LIMITED 2,991,971
DE LA RUE INTERNATIONAL LIMITED 2,993,749
DE LA RUE INTERNATIONAL LIMITED 2,993,750
DE LAETER, RICHARD 2,993,695
DECOSTE, DAVID 2,993,273
DEDEK, MATTHEW 2,993,517
DEKA PRODUCTS LIMITED PARTNERSHIP 2,992,948
DEL RIO PERICACHO, JOSE LUIS 2,993,134
DEL-GALLO, PASCAL 2,991,383
DELLANGELO, SCOTT 2,993,170
DENG, GAOLIANG 2,993,282
DEPOND, JEAN-MICHEL 2,993,125
DERAKHSHANI, REZA R. 2,989,575
DERENZY, DAVID 2,993,280
DERMTREAT APS 2,993,377
DESAI, ANKITA DARSHAN 2,993,182
DESBOIS, PHILIPPE 2,993,247
DESHPANDE, SACHIN G. 2,993,422
DEVAAL, JACOB W. 2,992,456
DEVANE, JOHN GERARD 2,993,179
DEVINE, BRAD 2,993,452
DEXCOM, INC. 2,993,280
DHATRAK, CHANDRAKANT 2,986,839
DHEERAJ, DASA L. 2,992,154
DHERSIN, CHRISTINE 2,992,359
DHUPPAD, ULHAS 2,986,839
DIAS, LIBARDO 2,993,613
DIERMEIER, DONNA JAN 2,993,640
DIETSCHE, LAURA J. 2,990,622
DIETTRICH, JORG 2,991,534
DIGITAL LUMENS INCORPORATED 2,993,454
DILBER, HALIT 2,993,159
DILLEY, DEVIN 2,993,115
DING, ERRUN 2,993,667
DING, ERRUN 2,993,675
DING, XIAO 2,993,269
DIOGO, SYLVAIN 2,991,686
DIOGO, SYLVAIN 2,991,688
DISCITISDX, INC. 2,993,180
DISPROQUIMA, S.A. 2,993,134
DKIDAK, AICHA 2,992,439
DORITY, DOUG 2,992,787
DOSHI, PARUL 2,986,594
DOSKOCIL, LUKAS 2,991,674
DOSSETT, HAROLD GENE 2,993,827
DOSSETT, ROBERT ALAN 2,993,827
DOTTERER, ROBERT 2,992,938
DOW GLOBAL TECHNOLOGIES LLC 2,990,622
DOW TECHNOLOGY INVESTMENTS LLC 2,993,161
DOYEN, DIDIER 2,992,128
DRAKE, RYAN JOSEPH 2,993,186
DRECO ENERGY SERVICES ULC 2,992,792
DRISCOLL, ARTHUR 2,993,182
DRIVING MANAGEMENT SYSTEMS, INC. 2,992,459
DROSTE, STEFAN 2,993,482
DRULIK, KLAUDIUSZ ZBYGNIEW 2,993,436
DSI GETRANKEARMATUREN GMBH 2,991,936
DU PREEZ, ANDREW CHRISTOPHER 2,991,240
DUBET, OLIVIER 2,991,383
DUBOIS, DIDIER 2,993,414
DUCEY, PAUL 2,992,465
DUENCKEL, ROBERT 2,992,942
DUFORD, JEREMIE 2,993,126
DUFTY, RAYMOND JEFFREY 2,989,955
DUNLOP, D.R. 2,992,939
DURHAM LIFTING LIMITED 2,991,668
DURHAM, JAMES F. 2,993,545
DYAX CORP. 2,993,026
DYGERT, DOUG 2,993,504
E. I. DU PONT DE NEMOURS AND COMPANY 2,993,000

EAGLE US 2 LLC 2,993,538
EAGLE US 2 LLC 2,993,547
EBERHARD KARLS UNIVERSITAET TUEBINGEN MEDIZINISCHE FAKULTAET 2,993,263
ECOLAB USA INC. 2,987,284
ECOLAB USA INC. 2,993,186
ECOLAB USA INC. 2,993,189
ECOLAB USA INC. 2,993,193
ECOLAB USA INC. 2,993,822
EDOVIA, THEOPHILUS 2,993,189
EIDELSTEIN, YAKI 2,991,690
EILERTSEN, BJORN 2,992,206
EILERTSEN, BJORN 2,992,209
EL-KHATIB, FIRAS 2,993,830
ELBIT SYSTEMS OF AMERICA, LLC 2,993,265
ELDRED, BENJAMIN T. 2,992,942
ELLENBERGER & POENSGEN GMBH 2,991,433
ELSMO, ALAN CLARK 2,993,184
ELURU, SAIRAM 2,993,264
EMD MILLIPORE CORPORATION 2,993,273
ENBIOTIX, INC. 2,993,336
ENDOU, YUUKI 2,993,153
ENERGYOR TECHNOLOGIES INC. 2,993,514
ENGELMANN, HELMUT 2,993,290
ENGLAND, JUSTEN DEERING 2,993,280
ENSCO INTERNATIONAL INCORPORATED 2,992,451
EPARI, DEVAKARA 2,993,079
EPC POWER CORPORATION 2,993,115
ERCHINGER MEDTECHNOLOGY GMBH & CO. KG 2,993,271
ERDMAN, PAUL 2,993,018
ERICKSON, CRAIG A. 2,993,614
ERSMARK, KAROLINA 2,993,144
ERSTEIN, DAVID PHILLIP 2,993,305
ERTURK, METE 2,992,855
ESKO, JEFFREY D. 2,993,233
ESTES, MICHAEL J. 2,993,280
ESTRELA ARIGUEL, JOSE MARIA 2,993,118
EUREKA THERAPEUTICS, INC. 2,993,185
EVANS, GREGORY CONNOR 2,993,247
EVDOKIMOV, ARTEM G. 2,993,656
EVERETT, DAVID WILLIAM, JR. 2,993,805
EVERSOLE, LESLIE 2,993,170
EXOCEUTICALS, INC. 2,993,227
EYEVERIFY INC. 2,989,575
EZAWA, TORU 2,993,505
FAA, PIERRE 2,993,640
FABER, JELLE 2,991,010
FACC AG 2,991,914
FANG, FANG 2,993,421
FANG, HUA 2,993,517
FANT, JAMES A. 2,993,143
FARR, STEPHEN J. 2,993,665
FATTAL, DAVID A. 2,991,923
FAURE, RAPHAEL 2,991,383
FAUST, MARCUS, JR. 2,993,189
FENG, JUN 2,993,013
FERAL PTY LTD 2,993,524
FERRO CORPORATION 2,993,452
FERULLO, DANIEL J. 2,993,336
FETTERLY, GERALK, J. 2,993,127
FIGEL, DAVID 2,992,938
FILATOV, OLEG GENNADIEVICH 2,993,522
FILIPPOV, ANDREY 2,990,838
FIMA, UDI EYAL 2,987,706
FIMLAND, BJORN OVE M. 2,992,154
FIMLAND, BJORN OVE M. 2,992,156
FINUF, MATHEW 2,992,464
FIORINA, PAOLO 2,993,201
FIRSOV, ALEKSEY ANATOL'EVICH 2,993,522
FITS HOLDING B.V. 2,992,007
FITS HOLDING B.V. 2,992,008
FITZGERALD, MATTHEW 2,993,353
FLEISHMAN, SAREL 2,993,760
FLEUREAU, JULIEN 2,992,128
FLICK, ANDREW CHRISTOPHER 2,987,179
FLIN, MATTHIEU 2,991,383
FLORIDI, GIOVANNI 2,986,965
FLUEGGE, CRAIG A. 2,993,638
FLUID HANDLING LLC 2,993,631
FLUIDSENS INTERNATIONAL INC. 2,993,218
FONTANESI, SIMONE 2,992,248
FOSTER, ALAN 2,993,645
FRAMPTON, CHAD S. 2,993,172
FRANCA, MARCOS 2,990,622
FREDRICKS, BLAIR L. 2,993,240
FRISZ, JESSICA 2,991,532
FRITO-LAY NORTH AMERICA, INC. 2,993,640
FROMM, DAVID 2,992,978
FROST TECH LLC 2,993,543
FROST, CHARLES C. 2,993,543
FUJII, KIYOSHI 2,987,235
FUJIKI, NORIAKI 2,993,141
FUJITA, SUSUMU 2,993,136
FUJITA, SUSUMU 2,993,141
FUJITA, SUSUMU 2,993,151
FUJITA, YU 2,986,379
FUJIWARA, TAKANORI 2,993,302
FUJIWARA, TAKANORI 2,993,641
FULLERTON, JUSTIN 2,993,463
FUNDACAO D. ANNA SOMMER CHAMPALIMAUD E DR. CARLOS MONTEZ CHAMPALIMAUD 2,992,390
FUNDACAO D. ANNA SOMMER CHAMPALIMAUD E DR. CARLOS MONTEZ CHAMPALIMAUD 2,992,432
FUNDACIO INVESTIGACIO HOSPITAL GENERAL UNIVERSITARI DE VALENCIA PER A LA INVESTIGACIO BIOMEDICA I CIENCIES DE LA SALUT 2,993,118
FUNDACION UNIVERSIDAD CATOLICA DE VALENCIA SAN VICENTE MARTIR 2,993,118
FUTRAL, DAN 2,993,504
GABRYS, CHRISTOPHER W. 2,992,826
GAGGINAPALLY, SHANKAR REDDY 2,987,843
GAGLIARDI, EMANUEL 2,992,320
GAGNE-BOURQUE, FRANCOIS 2,993,440
GALER, BRADLEY S. 2,993,665
GANDHI, SANKET 2,993,295
GAO, LI 2,992,702
GARCIA, STEFAN 2,993,482
GARDINER, JAMES BRUCE 2,993,095
GARDINER, JAMES BRUCE 2,993,099
GARDINER, JAMES BRUCE 2,993,343
GARDINIER, CLAYTON F. 2,992,942
GARZA-MONTEMAYOR, JORGE-EUGENIO 2,993,181
GARZA-MONTEMAYOR, JOSE GUADALUPE 2,993,181
GAUBERT, MICHAEL 2,992,939
GAUDFRIN 2,991,127
GAUDFRIN, GUY 2,991,127
GAVHANE, SACHIN 2,987,031
GCCM, LLC 2,993,195
GE LIGHTING SOLUTIONS, LLC 2,992,994
GE-HITACHI NUCLEAR ENERGY AMERICAS LLC 2,993,001
GENSCAPE INTANGIBLE HOLDING, INC. 2,992,088
GENZYME CORPORATION 2,993,018
GEOPIER FOUNDATION COMPANY, INC. 2,993,469
GEORGE, CAROLINE 2,993,188
GEORGETOWN RAIL EQUIPMENT COMPANY 2,993,025
GERBER, THEUNIS JOHANNES 2,992,745
GERDES, RICHARD C. 2,993,168
GERDTS, VOLKER 2,993,076
GERSZBERG, IRWIN 2,993,031
GERSZBERG, IRWIN 2,993,045
GET IT TECHNOLOGY HOLDINGS, LLC 2,992,939
GHALEI, BEHNAM 2,992,021
GHARAT, LAXMIKANT ATMARAM 2,987,031
GHIA, AJAY J. 2,991,851
GHIRO, ELISE 2,993,144
GHOBRIAL, IRENE 2,993,267
GIBB, CAMERON 2,987,545
GIBBARD, HELEN SARAH 2,993,123
GIDRON BUDOVSKY, ROTEM 2,991,690
GIESE, BARRET 2,993,018

GILBERTSON, SARAH BETH 2,993,186
GILL, GURMIT S. 2,993,621
GILLASPIE, DANE 2,992,423
GILLET, KEVIN 2,991,686
GILLET, KEVIN 2,991,688
GILLIAM, CLINTON, III 2,992,457
GILMAN CONSTRUCTION SOLUTIONS, LLC 2,993,790
GILMAN, ANDREW 2,993,790
GIOIA, ROBERT 2,993,324
GIOIELLO, ANTIMO 2,993,540
GLASS, DAVID 2,986,359
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 2,993,269
GLENMARK PHARMACEUTICALS S.A. 2,987,031
GLENMARK SPECIALTY S.A. 2,986,839
GLOCK, CHRISTIAN 2,993,116
GLUCKMAN, JONATHAN P. 2,993,292
GLUE, PAUL, WILLIAM 2,993,127
GLUKHIKH, VASILIY ANDREEVICH 2,993,522
GOBRECHT, ERIC 2,993,280
GODFREY, ALASTAIR 2,990,912
GOFBERG, ITAMAR OZ 2,993,600
GOKHALE, AMIT 2,987,861
GOLD, PETER 2,991,534
GOLDENZWEIG, ADI 2,993,760
GOLDSMITH, TIMOTHY JOSEPH 2,993,280
GOLNARAGHI, FARID 2,992,456
GONG, HUGH R. 2,992,999
GONG, JING-SHYONG 2,993,107
GONZALES, DENIS ALFRED 2,992,439
GONZALEZ LOPEZ, LUIS JAVIER 2,993,456
GONZALEZ, JAIR J. 2,993,828
GOODAPATI, GAUTAM 2,993,240
GOODWIN, AARON KEITH 2,987,867
GOOI, ADRIAN 2,993,682
GOOI, PATRICK 2,993,682
GOPALADASU, SRINIVAS VENKATA NAGA 2,992,465
GOPALSAMY, ARIAMALA 2,987,179
GORDON, GARY 2,993,228
GORECKI, ANDREW 2,993,452
GOTTESFELD, RONEN 2,993,607
GOURBET, PATRICE 2,991,686
GOURBET, PATRICE 2,991,688
GOUSEV, EVGENI PETROVICH 2,992,855
GOUVEIA MARQUES, JULIANA FILIPA 2,991,553
GOWANLOCK, MATTHEW 2,993,419
GRADY, LEO 2,991,784
GRAF SYNERGY S.R.L. 2,991,270
GRAHN, AMY 2,993,179
GRAINGER, STEPHANIE 2,993,676
GRAY, JOHN DIXON 2,993,177
GRAY, STEVEN KYLE 2,993,162
GRECO, JEFFREY F 2,993,667
GRECO, JEFFREY F. 2,993,675
GREEN, OLE 2,990,067
GREEP, DARCY W. 2,993,172
GRIFFIN, MICHAEL E. 2,993,165
GRISSOM, GREGORY THOMAS 2,993,025
GROBELNY, DAMIAN W 2,993,621
GROTSCH, PETER 2,993,124
GRUBER, MATHIEU SIMON PAUL 2,992,931
GU, JAMES J. 2,993,631
GU, SHIQUN 2,991,933
GUALA, GIANNI 2,993,132
GUANGZHOU MAXINOVEL PHARMACEUTICALS CO., LTD. 2,993,096
GUATNEY, LLOYD W 2,993,667
GUENTHER, AXEL 2,993,676
GUI, XIAHUI 2,993,586
GUILLOTEL, PHILIPPE 2,992,128
GUIROLA CRUZ, OSMANY 2,993,456
GUNDLING, GERARD J. 2,992,449
GUO, JIUNN-CHEH 2,987,455
GUO, LILI 2,987,057
GUPTA, PANKAJ 2,993,329
GUPTA, TARUN 2,993,154
GUPTA, TARUN 2,993,157
GUTTMAN, CHEN HAIM 2,993,600
HAGIHARA, KEISUKE 2,993,773
HAIDAR, RIAD 2,993,122
HALAC, JASON 2,993,280
HALL, LIAM DAVID 2,991,681
HALL, STEWART E. 2,991,285
HALLIBURTON ENERGY SERVICES, INC. 2,991,700
HALLIBURTON ENERGY SERVICES, INC. 2,992,702
HALLIBURTON ENERGY SERVICES, INC. 2,993,148
HALLIBURTON ENERGY SERVICES, INC. 2,993,150
HALLIBURTON ENERGY SERVICES, INC. 2,993,162
HALLIBURTON ENERGY SERVICES, INC. 2,993,264
HAMADA, YOSHITO 2,993,605
HAMMOND, JOHN M. 2,993,775
HAN, YONGXIN 2,993,687
HAN, YOUNGHUE 2,987,570
HANCOCK, MATTHEW 2,993,189
HANNIG, HANS-JURGEN 2,993,498
HANNON, MARWAN 2,992,459
HANSEN, JENS 2,993,377
HANSSON, STEFAN 2,991,248
HARADA ELECTRONICS INDUSTRY CO., LTD. 2,993,289
HARADA MASAHIDE 2,993,289
HARBINDU, ANAND 2,987,284
HARDY, TOM 2,993,265
HARRINGTON, EMANUEL GIRARD 2,992,946
HAZEN RESEARCH, INC. 2,993,331
HAZEN, WAYNE W. 2,993,331
HEARTFLOW, INC. 2,991,775
HEARTFLOW, INC. 2,991,784
HEATH, ALEX 2,993,774
HEIMANN, MICHAEL 2,993,133
HEIMDAL, CARL PHILIP J. 2,992,156
HELLER, MICHAEL LEONARD 2,993,235
HENRY, PAUL SHALA 2,993,045
HEO, CHANG HEOI 2,992,029
HERAEUS NOBLELIGHT GMBH 2,991,534
HERR, JEFFREY WAYNE 2,993,240
HERSHKOVITZ, OREN 2,987,706
HILL, DAVID 2,992,464
HIRAO, AYAKO 2,993,309
HIRAO, AYAKO 2,993,513
HIRAO, AYAKO 2,993,601
HIROTOMI, DAI 2,993,599
HIROTOMI, DAI 2,993,770
HODGE, ROBERT 2,993,434
HOFMANN, MARKO 2,991,534
HOFSTETTER, GREGORY K. 2,992,552
HOIAAS, IDA MARIE E 2,992,156
HOLMES, BRIAN WILLIAM 2,991,971
HOLMES, ELIZABETH 2,993,316
HOMAYOUNI, HOOMAN 2,992,456
HOME BOX OFFICE, INC. 2,990,442
HON, SHUEN 2,993,327
HONEYCUTT, NOREEN 2,993,149
HONG, MEI FENG 2,991,773
HONMA, DAISUKE 2,993,605
HORI, YOSHIAKI 2,993,771
HOSSAIN, MOHAMMAD FORHAD 2,992,999
HPPE LLC 2,993,295
HU, XINLI 2,987,322
HU, YUANDONG 2,993,687
HUANG, BAOHUA ROBERT 2,987,322
HUANG, NIU 2,993,519
HUANG, WENYI 2,990,622
HUANG, ZHIYONG 2,993,591
HUAWEI TECHNOLOGIES CO., LTD. 2,993,113
HUBBARD, DAVID 2,991,905
HUEBSCHER, WERNER 2,990,921
HUEBSCHER, WERNER 2,990,924
HUESKER SYNTHETIC GMBH 2,991,675
HUGHES NETWORK SYSTEMS, LLC 2,992,946
HUGHES, JOHN 2,993,296
HUGHES, JONATHAN 2,993,280
HULING, JENNIFER 2,993,541
HUMABS BIOMED SA 2,993,745
HUNG, CHEUNG-TAK 2,993,127
HUNTSMAN ADVANCED MATERIALS AMERICAS LLC 2,993,604
HURST, KATHLEEN SUZANNE 2,993,280
HYCOR BIOMEDICAL, LLC 2,992,450
HYCOR BIOMEDICAL, LLC 2,993,334
HYMUS, GRAHAM 2,993,188
HZNP LMITED 2,993,179
ICHINOSE, TOMOKI 2,993,153
IDA, TAKASHI 2,993,425
IDCQ HOSPITALES Y SANIDAD, S.L.U. 2,993,118

IFOM - FONDAZIONE ISTITUTO FIRC DI ONCOLOGIA MOLECOLARE 2,993,128
IGARASHI, MASAYUKI 2,993,425
IKA, RAVI V 2,992,465
ILLUMINA, INC. 2,993,463
IMAKAWA, KAZUNARI 2,993,771
IMRAN, MIR 2,993,215
INABA, MINORU 2,993,287
INCEPT, LLC 2,993,182
INDUSTRIE BORLA S.P.A. 2,993,132
INFASTECH INTELLECTUAL PROPERTIES PTE LTD 2,992,708
INFASTECH INTELLECTUAL PROPERTIES PTE. LTD. 2,993,668
INFO WISE LIMITED 2,993,346
INGA, JUAN RICARDO 2,987,543
INNOGY SE 2,993,116
INNOVATION LAB 2,993,323
INOEX GMBH 2,991,088
INOUE, FUTOSHI 2,993,426
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 2,992,036
INTERCEPT PHARMACEUTICALS, INC. 2,993,540
INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE (ILRI) 2,993,076
INTIMA BIOSCIENCES, INC. 2,993,431
IRANI-COHEN, ZACKARY 2,992,950
IRON HORSE PRIME, LLC 2,993,184
ISHIKAWA, KEIICHI 2,993,153
ISHIZUKA, MASAYUKI 2,993,609
ISHIZUKA, MASAYUKI 2,993,610
ISMAIL, MOHAMMAD ATHARI 2,991,908
ITKR SOFTWARE LLC 2,993,827
IVANOV, OLEXANDR 2,993,361
JAASKELAINEN, MIKKO 2,991,700
JABAJI, SUHA 2,993,440
JACKO, MICHAEL SCOT 2,993,143
JACKSON, CHRISTOPHER GLYN CHARLES, ALEXANDER 2,993,127
JACOB, DON 2,993,664
JACOBER, MARK A. 2,992,441
JACOBSON, STUART ALEXANDER 2,993,313
JACOBSON, STUART ALEXANDER 2,993,320
JACQUES, PASCAL 2,993,126
JAECK, JULIEN 2,993,122
JAGER, ANNE 2,993,463
JAGUNNA, BABAJIDE 2,993,159
JAIN, YOGENDRA K. 2,992,465
JAMIESON, EDWARD ALLAN 2,993,774
JANSSEN BIOTECH, INC. 2,986,594
JANSSEN, AARON L. 2,993,028
JARRETT, PETER 2,993,182
JASCOMB, JERALD T. 2,993,283
JASTI, VENKATESWARLU 2,987,843
JAYARAMAN, NANDA GOVIND 2,993,154
JEFFREY-COKER, BANDELE 2,992,983
JEZ, EMMANUEL 2,991,686
JEZ, EMMANUEL 2,991,688
JFE STEEL CORPORATION 2,993,594
JIA, QI 2,991,773
JIANG, PEIYONG 2,993,362
JIANG, PEIYONG 2,993,588
JIAO, PING 2,991,773
JIN, SEOKMIN 2,987,570
JIN, YUN 2,993,269
JOHNS, STEVEN L. 2,993,614
JOHNSON PATTHEY PUBLIC LIMITED COMPANY 2,991,680
JOHNSON, LESLIE S. 2,993,329
JOINT STOCK COMPANY "D.V. EFREMOV INSTITUTE OF ELECTROPHYSICAL APPARATUS" 2,993,522
JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS" ("SCIENCE AND INNOVATIONS", JSC) 2,993,522
JOLLIFFE, DAVID VICTOR 2,991,296
JOLLIFFE, STEVEN PAUL 2,991,296
JONES, ERIC M. 2,992,983
JONES, THOMAS DAVID 2,993,514
JONES-WEINERT, COREY 2,993,128
JORDAN, KELLY ALEXANDER 2,993,025
JORES, JOERG 2,993,076
JT INTERNATIONAL SA 2,993,121
KABUSHIKI KAISHA TOSHIBA 2,993,505
KABUSHIKI KAISHA TOYOTA JIDOSHOKKI 2,993,428
KADAM, SURESH MAHADEV 2,987,031
KADIYALA, SUDHAKAR 2,993,429
KAFKA, HENRY 2,993,045
KAILASAM, SRIDHAR K. 2,992,423
KALASKA, BARTLOMIEJ 2,987,709
KALAYANOV, GENNADIY 2,993,144
KAMINSKI, CHRISTIAN 2,986,522
KAMINSKI, KAMIL 2,987,709
KANE, JAMES 2,993,545
KANE, JOHN L., JR. 2,993,018
KANNO, OSAMU 2,993,605
KAPARKOVA, MARINA VIKTOROVNA 2,993,522
KAPLAN, SHANNON 2,993,463
KAREIS, CHRISTOPHER M. 2,993,538
KAREIS, CHRISTOPHER M. 2,993,547
KASIBHATLA, SRINIVAS 2,993,644
KASLIWAL, ALKESH 2,986,839
KATE, SUJATA S. 2,993,597
KAUR, KULVI 2,993,517
KAZINNIK, ROMAN 2,993,028
KEINAN, ALEX 2,993,218
KEIR MANUFACTURING, INC. 2,993,152
KEISER, STEVE 2,992,938
KELLER, KYLE TINNELL 2,993,280
KELLEY, RICHARD W. 2,993,808
KELLEY, RICHARD W., II 2,993,813
KELLEY, RICHARD W., II 2,993,826
KEMP, STEVEN JOHN 2,993,123
KENNEDY, MICHAEL JOSEPH 2,992,457
KENNISTON, JON A. 2,993,026
KENTAN PTY LTD 2,993,695
KENYA AGRICULTURE AND LIVESTOCK RESEARCH ORGANIZATION (KALRO) 2,993,076
KHALILI, KAVEH 2,993,507
KHANDAGALE, SANDEEP BANDU 2,987,031
KHANDAKER, MORSHED 2,993,439
KHORIAKOV, VITALY 2,990,838
KHOULOUD, MEHDI 2,993,518
KIM, DOHOON 2,987,570
KIM, DONG CHUL 2,992,154
KIM, DONG CHUL 2,992,156
KIM, DONG WOOK 2,991,933
KIM, HYUN JIN 2,991,784
KIM, HYUN, JIN 2,991,775
KIM, JUNG H. 2,993,347
KIM, JUNG KEOM 2,992,029
KIM, SI HWAN 2,992,029
KIM, TONY HYUN 2,993,355
KIM, WONTAK 2,993,659
KIM, YUNTAE 2,987,570
KINCAID, DEREK 2,993,604
KINSEL, PATRICK A. 2,993,171
KIRINCICH, STEVEN J. 2,987,179
KIRKEGAARD NIELSEN, SOEREN 2,990,067
KIRSCH, MARTIN 2,992,046
KITAZATO CORPORATION 2,993,426
KLEMM, JAN 2,992,321
KNOBLAUCH, BRADLEY JOHN 2,992,444
KNOOP, FRANK 2,992,655
KO, IN KAP 2,993,541
KOBAYASHI, TAKENORI 2,993,505
KOCHAR, MANISH 2,992,983
KOL, TAL 2,993,762
KOLENE CORPORATION 2,993,319
KOLENG, JOHN J. 2,993,602
KOLLA, YESHWANT NAGARAJ 2,992,276
KOMATSU LTD. 2,981,674
KONRAD, WILFRIED 2,991,914
KOO, BON-KWON 2,991,775
KOPF, HENDRIK-CHRISTIAN 2,991,433
KOPLIN, RANDALL SCOTT 2,993,280
KOPPENHAGEN, FRANCISCUS 2,986,839
KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES 2,990,584
KOROTKOV, VLADIMIR ALEKSANDROVICH 2,993,522
KOSKI, GARY K. 2,992,925
KOSKI, GARY K. 2,992,937
KOSNIK, BRICE 2,991,224
KOSSIR ABDELAALI 2,993,518

KOSUGI, SHINICHIRO 2,993,505
KOTHANDARAMAN, SENTHIL KUMARAN 2,992,708
KOTTE, MICHAEL 2,993,018
KOTZE, MARTHA HENDRIETTE 2,993,284
KOTZE, MARTHA HENDRIETTE 2,993,285
KOZYREV, ALEKSANDR BORISOVICH 2,989,845
KRAHN, JOHN RAYMOND 2,993,001
KRAKELI, TOR-ARNE 2,987,008
KRAMER, E., DOUGLAS 2,993,127
KRIVOY, GARY I. 2,992,983
KROL, JULITA 2,991,339
KRUEGER, DON E. 2,992,983
KUBINTSEV, BORIS BORISOVICH 2,993,516
KUHN, CYRILLE 2,993,144
KUKHTIN, VLADIMIR PETROVICH 2,993,522
KUNZ, MARC 2,990,921
KUNZ, MARC 2,990,924
KURABE INDUSTRIAL CO., LTD. 2,993,511
KURASHIKI BOSEKI KABUSHIKI KAISHA 2,993,629
KURIHARA, AKIRA 2,993,427
KUROTOBI, TOMOKO 2,993,136
KUROTOBI, TOMOKO 2,993,141
KURU, KAYA 2,993,156
KWAN, MIN-FUN, RUDOLF 2,993,127
KYORIN PHARMACEUTICAL CO., LTD. 2,987,235
KYOTO UNIVERSITY 2,992,021
KYUNG, JANGHEEN 2,987,570
KYUNGDONG NAVIEN CO., LTD. 2,992,029
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE 2,991,383
LADERMAN, ELISABETH 2,992,950
LAGORCE, XAVIER 2,992,036
LAING O'ROURKE AUSTRALIA PTY LIMITED 2,993,095
LAING O'ROURKE AUSTRALIA PTY LIMITED 2,993,099
LAING O'ROURKE AUSTRALIA PTY LIMITED 2,993,343
LALICKI, JOREL 2,993,825
LALLI, JASON D. 2,993,457
LAMB, GORDON 2,987,861
LAMBERTI S.P.A. 2,986,965
LAMMERS, SHAWN D. 2,993,169
LAMZIN, EVGENIY ANATOLIEVICH 2,993,522
LANDMARK GRAPHICS CORPORATION 2,990,838
LANE, JASON R. 2,993,265
LANE, STEVEN B. 2,993,813
LANE, STEVEN B. 2,993,826
LANGENFELD, CHRISTOPHER C. 2,992,948
LANTZ, JEAN-SEBASTIEN 2,991,656
LAPHAM, KYLE 2,993,355
LARCH, CHRISTOPHER PAUL 2,993,123
LARGAESPADA, DAVID 2,993,431
LARIONOV, MIHAIL SERGEEVICH 2,993,522
LAROCQUE, BRUNO 2,993,126
LARSON, CHRISTOPHER LYNN 2,987,545
LARSON, CINNAMON 2,993,167
LARSON, JUSTIN 2,991,621
LARUE, CLAYTON T. 2,993,656
LASH, JASON 2,993,170
LATVIAN INSTITUTE OF ORGANIC SYNTHESIS 2,987,708
LAZAROVICH, ORON 2,993,133
LE, DONG 2,993,604
LE, TIEU-BINH 2,993,018
LEATHER, PETER 2,993,156
LEATHERBACK GEAR, LLC 2,980,753
LEBEDEVS, ANTONS 2,987,708
LECHUGA, ALEX 2,993,651
LECHUGA, GABRIEL V. 2,993,651
LEE, EDWARD 2,993,234
LEE, HYUN SUK 2,990,584
LEE, JAE SIK 2,991,933
LEE, JAEKWANG 2,987,570
LEE, RICHARD 2,993,664
LEE, SANGMIN 2,993,544
LEE, SUE S. 2,992,418
LEE, WEI JIAN 2,991,908
LEE, YOU BIN 2,992,029
LEIA INC. 2,991,923
LEIER, JOHN T. 2,993,813
LEIER, JOHN T. 2,993,826
LEJONMARCK, MARIE 2,993,144
LEIMKUEHLER, AARON H. 2,992,983
LELY PATENT N.V. 2,991,473
LENG, LIAN 2,993,676
LEONOV, VIKTOR NIKOLAEVICH 2,993,516
LEPP, JAMES RANDOLPH WINTER 2,993,453
LESEUR, ANGELIQUE 2,993,452
LESSER, ALAN JAMES 2,993,247
LEWIS, DAVID M. 2,993,174
LEWIS, RYAN D. 2,993,172
LEWIS, TERRY A. 2,993,174
LEWIS, TRAVIS R. 2,993,174
LI BASSI, GIUSEPPE 2,986,965
LI, BINGZHAO 2,993,113
LI, CHAO 2,993,101
LI, DONGSHENG 2,993,097
LI, JING 2,993,272
LI, JING 2,993,276
LI, LIANSHENG 2,993,013
LI, SHENGHUA 2,986,760
LI, XUEJIAN 2,991,923
LI, ZHIJIANG 2,993,008
LIANYUNGANG RUNZHONG PHARMACEUTICAL CO., LTD. 2,993,687
LIAO, YUAN-XIU 2,987,455
LICHT, DANIT 2,993,183
LIDOR-HADAS, RAMY 2,993,607
LIEU, PHONG 2,993,280
LILICHENKO, SERGEI 2,992,457
LINDER, FREDRIK ERIK 2,993,155
LINDER, FREDRIK ERIK 2,993,163
LINDER, FREDRIK ERIK 2,993,166
LIOU, JING-PING 2,993,809
LIPS, GERARD 2,993,117
LIU, BING 2,993,261
LIU, HONG 2,993,185
LIU, HONGCHAO 2,993,146
LIU, JINYU 2,993,018
LIU, LI 2,993,463
LIU, MALIN 2,993,261
LIU, QIAN 2,993,269
LIU, RONGZHENG 2,993,261
LIU, SHAN 2,993,104
LIU, XIAODONG 2,987,322
LIU, XIAOHUI 2,993,644
LIU, XIJIE 2,993,687
LIU, YI 2,993,013
LIU, YONG 2,993,146
LIU, YUAN 2,993,013
LIU, ZHONGMIN 2,993,146
LO, JONATHAN 2,993,327
LO, YUK-MING DENNIS 2,993,362
LO, YUK-MING DENNIS 2,993,588
LOGIAKIS, EMMANUEL 2,991,339
LONG, YUN OLIVER 2,993,013
LOUREIRO, NUNO 2,992,390
LOUREIRO, NUNO 2,992,432
LOVINGER, IOANA 2,993,183
LOW, SARAH 2,993,329
LOWRY, MELISSA 2,992,457
LUDLOW, JOHN W. 2,993,224
LUDLOW, JOHN W. 2,993,227
LUECKEL, KRIS 2,990,921
LUECKEL, KRIS 2,990,924
LUI, CLARISSA 2,993,316
LUKES, RICHARD W. 2,993,668
LUO, HONG 2,993,687
LUXCATH, LLC 2,993,167
LYND, LEE R. 2,993,327
M.COSTA, RUI 2,992,390
MA, LIANG 2,993,018
MA, MING 2,991,923
MA, XUN 2,986,594
MA, YONGCHUN 2,993,290
MACDONALD, ROSS 2,993,029
MACEDO TAVARES, CARLOS JOSE 2,991,553
MACOM CONNECTIVITY SOLUTIONS, LLC 2,993,154
MACOM CONNECTIVITY SOLUTIONS, LLC 2,993,157
MACROGENICS, INC. 2,993,329
MADDURI, ASHOKA V. R. 2,993,295
MAGNESS, BRET H. 2,993,191
MAH, STEVANIE LYNN 2,993,280

MAIER, CHRISTIAN 2,993,705
MAILHOT, PHILIPPE 2,993,126
MAILHOT, PHILIPPE 2,993,413
MAKHSIYAN, MATHILDE 2,993,122
MAKIAH, SAMA NAZAR 2,986,965
MALLADI, SHASHI 2,993,676
MALLOY, JAMES C. 2,993,319
MALONEY, MICHAEL J. 2,993,245
MAN, HON-WAH 2,993,173
MANABE, TOMOYUKI 2,993,512
MANE, AVINASH SHESHARO 2,987,545
MANEFIELD, LEX MATTHEW 2,993,343
MANIER, SALOMON 2,993,267
MANN, TOBIAS 2,993,347
MANNICK, JOAN 2,986,359
MANUEL, MICHELE VIOLA 2,993,025
MAPKAR, JAVED ABDURRAZZAQ 2,993,101
MARCOZ, ALAIN 2,991,686
MARCOZ, ALAIN 2,991,688
MARSCHKE, KARL WARNER 2,993,805
MARSHALL, COLIN 2,993,123
MASON, SHAUNA 2,993,026
MASTERCARD INTERNATIONAL INCORPORATED 2,992,444
MASTERCARD INTERNATIONAL INCORPORATED 2,992,445
MASTERCARD INTERNATIONAL INCORPORATED 2,993,234
MASTERS, LEONARD THOMAS 2,993,175
MASTERS, LEONARD THOMAS 2,993,178
MATACZYNSKI, CRAIG 2,991,905
MATHE, LENNART KARL-AXEL 2,993,038
MATHEW, JOHN GORDON HALBERT 2,991,892
MATHIAS, JOHN PAUL 2,987,179
MATSUMURA, HIDEO 2,993,291
MATSUO, TSUTOMU 2,993,428
MATTHEWS-EWALD, CHRISTOPHER R. 2,993,159
MAYER, GUNTER 2,993,652
MCCANN, STEPHEN 2,993,453
MCCAULEY, JOHN J. 2,993,353
MCGRATH, MICHAEL J. 2,993,182
MCIVOR, SCOTT R. 2,993,431
MCLAIN, JULIAN H. 2,986,760
MEAGAN MEDICAL, INC. 2,993,814
MEDIATEK INC. 2,993,104
MEDIVIR AB 2,993,144
MEGADYNE MEDICAL PRODUCTS, INC. 2,993,172
MEHRA, RAJESH K. 2,991,532
MEIJERS, SJORS 2,991,473
MEIJI CO., LTD. 2,993,773
MEIJI SEIKA PHARMA CO., LTD. 2,993,428
MEJENHORG, STEN HALLUNDBAEK 2,991,851
MELITTA SINGLE PORTIONS GMBH & CO. KG 2,993,496
MELNYK, THOMAS J. 2,993,164
MELODY, NOELEEN 2,993,321
MENDOZA SANTOS, JAIME 2,993,193
MERCHEL, FRANK 2,992,460
MESO SCALE TECHNOLOGIES, LLC. 2,992,983
METZ, MARKUS 2,993,018
MEYER, KENT S. 2,993,159
MEYER, STEFAN 2,991,534
MIAO, JINHUA 2,993,113
MICROBIAL CHEMISTRY RESEARCH FOUNDATION 2,993,425
MIGLARESE, MARK 2,993,652
MIKHAYLOV, VALERIY MIKHAYLOVICH 2,993,522
MILLENNIUM HEALTH, LLC 2,993,517
MILLER, GLENN A. 2,993,161
MILLER, JOHN ROBERT 2,986,760
MILLIRON, CHARLES E., III 2,993,295
MILLIS, ROGER 2,993,172
MILLS, THOMAS MATTHEW 2,993,220
MIN, JAEKI 2,987,570
MINOMIC INTERNATIONAL LTD. 2,993,102
MINTEK 2,993,284
MINTEK 2,993,285
MIRANDA NIEVES, DAVID 2,993,676
MISHIMA, YUJI 2,993,267
MITHAL AL, ADRIEN 2,991,656
MITSUBISHI HEAVY INDUSTRIES ENVIRONMENTAL & CHEMICAL ENGINEERING CO., LTD. 2,993,153
MIYAGAWA, ISAO 2,993,629
MIYAZAKI, SHUJI 2,993,609
MIZRAHI, OREL YOSEF 2,993,607
MODIANO, STEVEN 2,993,463
MOGIELNICKI, ANDRZEJ 2,987,709
MOGNA, GIOVANNI 2,993,506
MOHAMMED, ABDUL RASHEED 2,987,843
MOHAWK CARPET, LLC 2,991,399
MOHIDI, INTAN MAZLINA MOHD 2,991,908
MONDESIR, PATRICK 2,992,533
MONROS, SERGE V. 2,992,998
MONSANTO TECHNOLOGY LLC 2,993,656
MONTEMURRO, MICHAEL PETER 2,993,453
MOONLITE WORLD INC. 2,993,686
MOORE, BREANNA 2,991,773
MORALES ARRIAGA, FABIOLA 2,993,193
MORAN, MARK J. 2,993,808
MORAN, MARK J. 2,993,813
MORAN, MARK J. 2,993,826
MORENO, TANYA 2,993,517
MORGEN, MICHAEL MARK 2,987,867
MORIARITY, BRANDEN 2,993,431
MORISHITA, KEIJI 2,993,291
MORITANI, KOJI 2,993,609
MOSHER, CHARLES C. 2,993,028
MOSHIRI, FARHAD 2,993,656
MOTOROLA SOLUTIONS, INC. 2,991,908
MUCHALOV, IVAN 2,993,446
MUELLER, DANIEL 2,993,117
MUNICIPAL PARKING SERVICES INC. 2,993,808
MUNICIPAL PARKING SERVICES, INC. 2,993,813
MUNICIPAL PARKING SEVICES, INC. 2,993,826
MURPHY, LEON 2,986,359
MUTHUKAMAN, NAGARAJAN 2,987,031
MY TURN HEALTH AND FITNESS LIMITED 2,993,029
NAESSENS, JAN 2,993,076
NAGAPUDI, VENKATESH 2,993,157
NAGARAJAN, PERIYANDI 2,993,173
NAGRAVISION S.A. 2,988,477
NAITO, YUKI 2,993,511
NAKAJIMA, HIROAKI 2,993,594
NAKAJIMA, TOSHIHARU 2,993,635
NAKAJIMA, TOSHIHARU 2,993,768
NAKAMURA, KENTARO 2,993,773
NAKANE, YUSUKE 2,993,424
NAKANISHI, TADASHI 2,993,594
NANJO, YUKO 2,993,629
NANRI, TAKUYA 2,993,421
NASKAR, AMIT K 2,992,446
NATIONAL INSTITUTE OF BIOLOGICAL SCIENCES, BEIJING 2,993,519
NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY 2,993,289
NATURAL ART RESEARCH INSTITUTE, LTD. 2,993,426
NAVRATIL, TOMAS 2,993,340
NERLING, CHRISTOPH 2,991,088
NESTEC S.A. 2,987,033
NESTEC S.A. 2,992,144
NEUMANN, RALF 2,993,120
NEUSER, KYLE 2,993,280
NEW JERSEY INSTITUTE OF TECHNOLOGY 2,993,324
NEWELL, JENNIFER ELIZABETH 2,986,760
NEWHOUSE, TODD ANDREW 2,993,280
NEXANS 2,993,124
NEXTIVITY, INC. 2,991,240
NEZHENTSEV, ANDREY NIKOLAEVICH 2,993,522
NGUYEN, BA-VU 2,993,607
NGUYEN, KIM-XUAN 2,992,983
NGUYEN, SAM L. 2,993,196
NI, YOUMING 2,993,146
NICHOLS, DILLON JAMES 2,992,946
NICOLL, SARAH LOUISE 2,993,123
NIMMAGADDA, JYOTHIER 2,993,025
NIPRO CORPORATION 2,993,289

NIRGUDE, SUNIL PANDURANG	2,987,031
NIROGI, RAMAKRISHNA	2,987,843
NISHIDA, HIDETAKA	2,993,291
NISHIRA, HIKARU	2,993,136
NISHIRA, HIKARU	2,993,141
NISSAN MOTOR CO., LTD.	2,993,136
NISSAN MOTOR CO., LTD.	2,993,141
NISSAN MOTOR CO., LTD.	2,993,151
NISSAN MOTOR CO., LTD.	2,993,420
NISSAN MOTOR CO., LTD.	2,993,421
NISSAN MOTOR CO., LTD.	2,993,424
NISSAN MOTOR CO., LTD.	2,993,493
NISSAN MOTOR CO., LTD.	2,993,495
NISSAN MOTOR CO., LTD.	2,993,497
NISSAN MOTOR CO., LTD.	2,993,499
NISSAN MOTOR CO., LTD.	2,993,500
NISSAN MOTOR CO., LTD.	2,993,512
NISSAN MOTOR CO., LTD.	2,993,635
NISSAN MOTOR CO., LTD.	2,993,764
NISSAN MOTOR CO., LTD.	2,993,768
NISSAN MOTOR CO., LTD.	2,993,804
NISSHIN STEEL CO., LTD.	2,993,771
NIXON, ANDREW	2,993,026
NKT HV CABLES GMBH	2,991,248
NKT HV CABLES GMBH	2,991,339
NORTH CAROLINA STATE UNIVERSITY	2,993,235
NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU)	2,992,154
NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU)	2,992,156
NOTARIZE, INC.	2,993,171
NOTZLI, CHRISTOPH	2,993,079
NOVARTIS AG	2,986,359
NOVARTIS AG	2,986,522
NOWAKOWSKA, MARIA	2,987,709
NOYES, PETER	2,993,664
NTT DOCOMO, INC.	2,993,140
NUBURU, INC.	2,992,464
NUVERA FUEL CELLS, LLC	2,993,008
O'BRIEN, JOHN BRICE	2,992,941
O'MALLEY, JOHN	2,991,971
O'NEILL, HEATHER	2,993,652
OATLY AB	2,993,783
OBEROI, PANKAJ	2,992,983
OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR"	2,989,845
OCHOA GUERRA, JESUS	2,993,193
OCP SA	2,993,518
ODA, YOSHIHIKO	2,993,594
OFFERMANN, VOLKMAR	2,993,482
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES	2,993,122
OGAWA, YASUSHI	2,981,674
OHATA, KOHEI	2,987,235
OKANO, FUMIYOSHI	2,993,427
OKUBO, TOMOYUKI	2,993,594
OKUYAMA, TAKENARI	2,993,512
OKUYAMA, TAKESHI	2,993,764
OLSON, DANIEL G.	2,993,327
OMER, DOTAN	2,993,600
ONO, HIROYOSHI	2,993,121
OO, WEI LUN	2,991,908
OPEN MONOCLONAL TECHNOLOGY, INC.	2,993,272
OPEN MONOCLONAL TECHNOLOGY, INC.	2,993,276
OPHIR, ERAN	2,991,690
OPKO BIOLOGICS LTD.	2,987,706
OPTASENSE HOLDINGS LIMITED	2,990,912
OR-GEVA, NOGA	2,991,690
ORTEGA, STEPHANIE TUVI	2,992,450
OSAKA UNIVERSITY	2,993,773
OSBORNE, ROGER D.	2,992,983
OSEN, KARL	2,988,477
OTERHALS, AGE	2,987,008
OTONOMY, INC.	2,993,645
OUTOTEC (FINLAND) OY	2,993,774
OUTOTEC (FINLAND) OY	2,993,120
PAGE, KENNETH	2,992,983
PAHNKE, JAN	2,993,496
PAIXAO, VITOR B.	2,992,432
PALEKAR, VIVEK	2,986,760
PALMER, DOUGLAS C.	2,993,431
PAN, QI	2,993,329
PAN, SHIOW-LIN	2,993,809
PAN, YUANLONG	2,987,033
PANCHOLY, SAMIR	2,993,297
PANDIAN, UMARANI	2,993,813
PANDIAN, UMARANI	2,993,826
PANG, LOUIS W.	2,992,983
PANKAJ, SHIREESH	2,993,101
PANOV, ANDREJ VLADIMIROVICH	2,989,845
PANSE, MILIND	2,993,297
PANTOJA, RIGO	2,993,463
PAQUES I.P. B.V.	2,991,010
PARAZYNSKI, SCOTT E.	2,993,323
PARKER, JENNIFER	2,992,983
PASE, ADAM	2,993,171
PASSAVANTI, ANDREA	2,993,119
PATEL, PRADIPKUMAR B.	2,993,631
PATEL, VINOD	2,993,018
PATTERSON, ROBERT G.	2,993,169
PAVINI, MARIE	2,993,666
PAWAR, JIVAN DHANRAJ	2,987,545
PAWLAK, DARIUSZ	2,987,709
PEDICINI, CHRISTOPHER	2,993,187
PEERLESS CHAIN COMPANY	2,993,353
PEIL, MICHAEL	2,991,534
PELAPRAT, JEAN MICHEL	2,992,464
PELLICCIARI, ROBERTO	2,993,540
PELLICER ARTES, JOSE ALFREDO	2,993,118
PELLICIER, VICTOR	2,992,983
PENG, SHIMING	2,993,519
PENG, YONG	2,993,687
PENN ENGINEERING & MANUFACTURING CORP.	2,993,245
PEPPERL+FUCHS GMBH	2,992,046
PEREIRA, ALEXANDRE	2,991,686
PEREIRA, ALEXANDRE	2,991,688
PEREIRA, BRUNO RUFATO	2,990,622
PEREZ GOMEZ, GUILLERMO	2,993,094
PEREZ-CASAL, JOSE	2,993,076
PERRINE, JEROME	2,988,477
PETERSON, JAMES W.	2,993,825
PETTIT, GEORGE ROBERT	2,993,321
PFIZER INC.	2,987,179
PHAN, TIEN	2,992,787
PHAN, TIEN	2,992,978
PHAN, TRI	2,993,189
PHILLIPS, GEORGE R.	2,993,161
PHUA, CHENG SIONG	2,992,708
PHYTOPHARMA INTERNATIONAL LTD.	2,993,023
PICCINI, MATTHEW	2,992,978
PICKERSGILL, FRANK	2,991,668
PIECH, GREGOR ANTON	2,993,111
PIERACCINI, PETER	2,993,224
PIERACCINI, PETER	2,993,227
PIGNOTTI, LOUIS	2,993,319
PIIP HOLDINGS PTY LTD	2,993,436
PIKARSKI, DANIEL	2,991,394
PIKE, SUSAN K.	2,993,632
PIM	2,992,533
PIMENTEL VAZQUEZ, EULOGIO	2,993,456
PINKAS, ODED	2,993,415
PIU, FABRICE	2,993,645
PLA OBRADOR, MARIA ELENA	2,993,118
PLIMACK, ELIZABETH R.	2,993,179
POHLEMANN, TIM	2,993,079
POLARIS INDUSTRIES INC.	2,991,621
POLETTI, MARIO	2,992,248
POLLARD, MATHIEU	2,991,686
POLLARD, MATHIEU	2,991,688
POLYNT COMPOSITES FRANCE	2,992,359
PONOMARJOVS, JURIJS	2,987,708
POTTER, ANDREW	2,993,076
POURDEYHIMI, BEHNAM	2,993,235
POWER BOX AG	2,991,394
PRASAD, VIC	2,987,545
PRATHER, RANDALL S.	2,993,435
PRICE, BURT LEE	2,992,276
PRINTZ, HARRY WILLIAM	2,993,655
PRIOBIO, LLC	2,993,313
PRIOBIO, LLC	2,993,320
PROBIOTICAL S.P.A.	2,993,506
PROGENITY, INC.	2,993,347
PROHENS LOPEZ, RAFAEL	2,993,134
PROMPTU SYSTEMS CORPORATION	2,993,655
PROULX, STEPHEN	2,993,273
PRYOR, JACK	2,993,280
PUIGJANER VALLET, MARIA CRISTINA	2,993,134
PUJOL FERRER, MERARDO	2,993,456
PUPA, PHILIP THOMAS	2,993,280

QU, PETER QIANG 2,992,459
QUALCOMM INCORPORATED 2,991,933
QUALCOMM INCORPORATED 2,992,276
QUALCOMM INCORPORATED 2,992,855
QUALCOMM INCORPORATED 2,993,004
QUALCOMM INCORPORATED 2,993,038
QUAN, WEI 2,993,113
QUICK FITTING, INC. 2,993,613
QUINLAN, DICK 2,991,399
RACK, TIMO 2,993,271
RADDING, JEFFREY A. 2,993,336
RAFFERTY, PAUL 2,991,680
RAI STRATEGIC HOLDINGS, INC. 2,992,941
RAI STRATEGIC HOLDINGS, INC. 2,993,632
RAJENDIRAN, CHINNAPILLAI 2,993,173
RAJURKAR, SURESH 2,986,839
RAMIREZ, SEAN M. 2,993,463
RANE, DEEPAK 2,987,284
RANI THERAPEUTICS, LLC 2,993,215
RANSBURY, TERRANCE J. 2,993,167
RAO, SAMPADARAO ANANDA 2,987,545
RASCH, DAVID MARK 2,991,934
RAVI, KRISHNA M. 2,992,702
RAVIKUMAR, K. N. 2,987,545
RAY, CHRISTOPHE 2,992,533
RDO ALPHA 2,992,538
REAM, JOEL E. 2,993,656
REBO, JUSTIN 2,993,313
REBO, JUSTIN 2,993,320
REHOT, NATALIE ROSANNA 2,993,686
RECHICHAR, BRADLEY 2,993,604
REDDY, SEELAM VENKATA 2,993,644
REDSHAW, JOHN 2,987,861
REGENTS OF THE UNIVERSITY OF MINNESOTA 2,993,431
REID, TAYLOR ADDISON 2,992,450
REISNER, YAIR 2,991,690
REN, FENG 2,993,269
REN, PINGDA 2,993,013
RENISHAW PLC 2,991,681
RESOURCE COMPLETION SYSTEMS INC. 2,993,296
RESTIFO, NICHOLAS P. 2,993,431
RETAIL SPACE SOLUTIONS LLC 2,993,638
REYNOLDS, STEPHEN C. 2,993,632
RHEE, CHUL WOO 2,990,584
RIGBY, STEPHEN J. 2,993,101
RIMFROST TECHNOLOGIES AS 2,987,008
RING CONTAINER TECHNOLOGIES, LLC 2,993,504
RING, CARL 2,993,504
RISKIN, SEAN 2,993,668
RIVER TOWN THERAPEUTICS, INC. 2,993,829
RIX, DOROTHEA ISABEL MAUD 2,989,955
ROAM DATA, INC. 2,991,859
ROBERTS, BRUCE RICHARD 2,992,994
ROBERTS, KELLY 2,993,188
ROCKENFELLER, UWE 2,993,507
ROCKY RESEARCH 2,993,507
RODENCAL, CURTUS J. 2,993,295
RODIN, IGOR' YUR'EVICH 2,993,522
RODINA, ELENA ALEKSANDROVNA 2,993,516
RODRIGUES DE OLIVEIRA, CARLOS 2,992,538
RODRIGUEZ ROMERO, MARIA LUCIA 2,993,118
ROGERS, JAMES WILLIAM 2,992,941
ROMANO, PASCAL 2,992,931
ROMERO, MARTIN EDUARDO SANTOCILDES 2,993,377
ROSENBERG, STEVEN A. 2,993,431
ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG 2,993,705
ROSSIELLO, FRANCESCA 2,993,128
ROSSLAND BINDING COMPANY 2,993,240
ROTSAERT, CHRISTOPHER 2,991,859
ROY, NICOLAS 2,993,414
ROZBICKI, ROBERT T. 2,991,892
ROZBICKI, ROBERT T. 2,992,423
ROZENDAL, RENE ALEXANDER 2,991,010
RUSSELL, STEVEN J. 2,993,830
RUTH, CHRISTIAN 2,991,534
RXADVANCE CORPORATION 2,992,465
RZIHA, HANS-JOACHIM 2,993,263
S.A. ARMSTRONG LIMITED 2,993,685
SAEZ TORMO, GUILLERMO MARIA 2,993,118
SAFADI, MUHAMMED 2,993,183
SAFRAN AIRCRAFT ENGINES 2,992,931
SAIKA, MASAYUKI 2,993,609
SAIKA, MASAYUKI 2,993,610
SAINT-GOBAIN GLASS FRANCE 2,993,482
SAITO, MASATSUGU 2,993,511
SAKUMA, MATASAKE 2,993,505
SALAM, BUDIMAN 2,992,144
SALATHIA, NEERAJ 2,993,463
SALEH, KHODR 2,993,197
SALLA, RAJENDER 2,993,264
SALVADOR ODEN, LOURDES 2,993,144
SALVADOR PALMER, ROSARIO 2,993,118
SAMMONS, NICK 2,992,983
SAMRANE, KAMAL 2,993,518
SANDERS, CAROLINE 2,993,156
SANG, YINGXIA 2,993,269
SANKARAN, SETHURAMAN 2,991,784
SANO YOSHIHIKO 2,993,289
SANTOS, FERNANDO 2,992,390
SANTOS, FERNANDO 2,992,432
SARAGAGLIA, AMAURY 2,990,553
SARAGOVI, HORACIO URI 2,993,645
SARDESAI, NOLAN 2,993,297
SARDESAI, RAJENDRA 2,993,297
SARETTE, JAMES 2,993,265
SARRAZY, KARINE 2,993,452
SASSER, AMY 2,986,594
SATEESH, SAGI 2,987,545
SATORI WORLDWIDE, LLC 2,993,155
SATORI WORLDWIDE, LLC 2,993,163
SATORI WORLDWIDE, LLC 2,993,166
SATTERFIELD, ANDREW DUNCAN 2,993,000
SAUNDERS, GREG 2,992,445
SAWHNEY, AMARPREET S. 2,993,182
SCHAEFER, SVEN 2,990,921
SCHAEFER, SVEN 2,990,924
SCHALK, WOLFRAM 2,993,120
SCHEBEL, DEAN DAVID 2,993,443
SCHEIMAN, MITCHELL 2,993,324
SCHIESTL, ANGELO 2,991,939
SCHIESTL, ANGELO 2,991,946
SCHMIDT, JAMES WILBURN 2,993,296
SCHMIDT, MARCUS N. 2,993,808
SCHMIDT, MARCUS N. 2,993,813
SCHMIDT, MARCUS N. 2,993,826
SCHOENHEIT, KYLE D. 2,993,631
SCHOLTE, ANDREW 2,993,018
SCHOONMAKER, RYAN EVERETT 2,993,280
SCHUETZ, MICHAEL 2,993,079
SCHWARTZ, DANIEL 2,993,186
SCIENTIFIC GAMES HOLDINGS LIMITED 2,991,851
SCIENTIFIC GAMES HOLDINGS LIMITED 2,991,852
SCINOPHARM TAIWAN, LTD. 2,987,455
SCOFIELD, ROBERT KENT 2,993,544
SCOTT, WAYNE 2,993,487
SEARS, STEPHEN BENSON 2,993,632
SEDEN, PETER 2,987,861
SEETHARAMAN, JOTHIBASU 2,987,284
SEGUIN, LAETITIA 2,986,379
SEHGELMEBLE, FERNANDO 2,993,144
SEKEDAT, MATTHEW 2,993,347
SELWYN, GARY S. 2,993,257
SENGUPTA, SOUMA 2,991,784
SEQUEIRA, MELWYN 2,991,285
SEXTON, DANIEL J. 2,993,026
SGC ENERGIA CO LLC 2,987,543
SHAH, DHAVAL RAJESHBHAI 2,992,276
SHAO, YOULIN 2,993,261
SHARMA, SUNIL 2,993,644
SHARP KABUSHIKI KAISHA 2,993,422
SHATIL', NIKOLAY ALEKSANDROVICH 2,993,522
SHEKEL SCALES (2008) LTD 2,993,281
SHEN, MIN-JUI RICHARD 2,993,463
SHENOY, RAVINDRA VAMAN 2,992,855
SHERMAN, JEFFREY W. 2,993,179
SHERWIN, REUVEN J. 2,993,762
SHEVCHENKO, ALEKSEY BORISOVICH 2,993,516
SHI, ZENGQIAN 2,993,467
SHIBASAKI, MITSUHITO 2,987,235
SHIH, WEN-LI 2,987,455
SHIMOKAWATOKO, YASUTAKA 2,993,513
SHIMOKAWATOKO, YASUTAKA 2,993,599

SHIMOKAWATOKO, YASUTAKA 2,993,770
SHINDE, ANIL KARBHARI 2,987,843
SHINO, TATSUYA 2,993,804
SHORT, ROBERT 2,992,460
SHRIVASTAVA, DHAIRYA 2,991,761
SHUM, PATRICK 2,993,018
SHYSHONKOV, EDWARD 2,993,695
SHYU FUU INDUSTRIAL CO., LTD. 2,993,107
SIGAL, GEORGE 2,992,983
SILLIK, FRANCISCO J. 2,993,260
SILVA SA, MATTHEW 2,992,464
SIMON FRASER UNIVERSITY 2,992,456
SIMPSON, JASON 2,993,655
SIMPSON, MICHAEL 2,993,123
SIMPSON, PETER 2,993,280
SIMSEK, DENIZ 2,991,608
SINCLAIR, JAMES PETER 2,993,123
SINES, DANIEL 2,993,149
SINGER, GOTTHARD 2,993,094
SINGH, SANJAYA 2,993,329
SIREROL TALENS, JOAN ANTONI 2,993,118
SIVANIAH, EASAN 2,992,021
SIVASWAMY, VAIDEESWARAN 2,987,284
SJKAERSETH, ODD B. 2,992,206
SKJAERSETH, ODD B. 2,992,209
SLABY, ONDREJ 2,993,180
SLATE, MICHAEL J. 2,992,948
SLESAREV, IGOR SERGEEVICH 2,993,516
SMARTZYME BIOPHARMA LTD. 2,993,600
SMITH, BRIAN 2,993,504
SMITH, RYAN 2,993,115
SMITH, STANLEY T. 2,992,983
SMITHWICK, JAMES, JR. 2,993,138
SNOW, WILLIAM PAUL 2,993,439
SO, ALEX 2,993,463
SOI, REUBEN 2,993,076
SOKOLOWSKA, EMILIA 2,987,709
SOLIMAN, MOHAMED Y. 2,990,838
SON, SEUNG KIL 2,992,029
SONG, BO 2,993,262
SOON, JULIE 2,993,102
SOPPELSA, YVES 2,992,144
SORRENTO THERAPEUTICS, INC. 2,993,177
SOUTHARD, GLEN E. 2,993,292
SOYLU, ABDULLAH RUHI 2,991,608
SPALENKA, JOSEF 2,992,088
SPEARS, JOSHUA 2,993,149
SPECTRUM BRANDS, INC. 2,993,805
SPECTRUM OPTIX INC. 2,993,492
SPEER, IAN 2,993,698
SPETZLER, DAVID 2,993,652
SPREITZER, STEFAN 2,993,114
SPROTT, JOHN M. 2,993,159
SRIKANTH, A. SAI 2,987,545
STANDAERT, GEERT NORBERT R. 2,993,341
STARYNSKA, GANNA ANATOLIIVNA 2,993,433
STASI, LUIGI PIERO 2,993,269
STATE ATOMIC ENERGY CORPORATION "ROSATOM" ON BEHALF OF THE RUSSIAN FEDERATION 2,993,516
STAUCH, GERT 2,993,124
STEINMETZ, HARALD 2,991,936
STEPHENS, KATHRYN M. 2,993,463
STEVENS, CARL C. 2,992,983
STEVENSON, THOMAS MARTIN 2,993,000
STOKELY, CHRISTOPHER LEE 2,992,702
STORCH, HANNES 2,993,120
STOREY, JOHN MERVYN DAVID 2,993,123
STRADA DESIGN LIMITED 2,993,698
STRANGE, WARREN 2,993,698
STRAUSS, JAN 2,991,534
STRELTSOV, ALEXANDER MIKHAILOVICH 2,993,175
STRELTSOV, ALEXANDER MIKHAILOVICH 2,993,178
STRING, GREGORY F. 2,993,195
STROHBACH, JOSEPH WALTER 2,987,179
STRUCKHOFF, ANDREW 2,993,265
STURINO, CLAUDIO 2,993,144
SUEN, YAT FAN 2,986,760
SUGDON, MATTHEW 2,993,750
SUGDON, MATTHEW CHARLES 2,993,749
SULLIVAN, JAMES R. 2,993,775
SUMITOMO CHEMICAL COMPANY, LIMITED 2,993,309
SUMITOMO CHEMICAL COMPANY, LIMITED 2,993,513
SUMITOMO CHEMICAL COMPANY, LIMITED 2,993,599
SUMITOMO CHEMICAL COMPANY, LIMITED 2,993,601
SUMITOMO CHEMICAL COMPANY, LIMITED 2,993,770
SUMITOMO HEAVY INDUSTRIES, LTD. 2,993,609
SUMITOMO HEAVY INDUSTRIES, LTD. 2,993,610
SUMMIT AGRO USA, LLC 2,993,434
SUN, KANG 2,993,331
SUN, KUN 2,993,588
SUN, QINGRUI 2,993,096
SUSS, ALEKSANDR GENNADIEVICH 2,989,845
SUVEN LIFE SCIENCES LIMITED 2,987,843
SUYAL, NAVIN 2,991,971
SUZUKI, SATOSHI 2,993,771
SWAN, MICHAEL D. 2,993,165
SWARTS, FRANCIS 2,991,240
SWISS TOWER MILLS MINERALS AG 2,993,774
SYCHEVSKIY, SERGEY EVGEN'EVICH 2,993,522
SZCZUBIALKA, KRZYSZTOF 2,987,709
TADANO SHIGERU 2,993,289
TAGA BIKES LTD 2,993,133
TAINE, ELAINE GRACE 2,992,450
TAIPEI MEDICAL UNIVERSITY 2,993,809
TAKADA, YOSHIO 2,993,629
TAKAE, YASUHIKO 2,993,495
TAKAE, YASUHIKO 2,993,497
TAKAE, YASUHIKO 2,993,500
TAKAE, YASUHIKO 2,993,804
TAKAHASHI, HIDEAKI 2,993,140
TAKAHASHI, HIROYASU 2,987,235
TAKAHASHI, YOSHIHAKI 2,993,425
TAKANOHASHI, FUMINA 2,993,309
TAKANOHASHI, FUMINA 2,993,601
TAKEDA RYO 2,993,289
TAKEDA, KAZUAKI 2,993,140
TAKEUCHI, RYOSUKE 2,993,505
TALLABATTULA, PRAKASH SURYA 2,992,465
TALLON, JONATHAN 2,992,320
TALOU, PIERRE 2,992,533
TALUSKIE, KAREN V. 2,993,632
TAM, KAM CHIU 2,993,467
TANAKA, DAIKI 2,993,493
TANAKA, DAIKI 2,993,499
TANG, XUN 2,993,113
TANG, YAPING 2,993,261
TARDIE, MICHAEL 2,992,460
TARVEDA THERAPEUTICS, INC. 2,993,429
TATE, RODNEY JAMES 2,993,524
TATI, ANAND M 2,992,465
TAUBERT, TIMOTHY ALAN 2,992,994
TAV HOLDINGS, INC. 2,993,792
TAV HOLDINGS, INC. 2,993,818
TAWFIK, DAN S. 2,993,760
TAYLOR, CHARLES A. 2,991,775
TAYLOR, CHARLES A. 2,991,784
TECHNOLOGY INNOVATION MOMENTUM FUND (ISRAEL) LIMITED PARTNERSHIP 2,993,415
TECHNOLOGY INVESTMENT & DEVELOPMENT, LLC 2,993,545
TENDYRON CORPORATION 2,993,097
TEPLY, JOEL 2,989,575
TERAMOTO, SHOKICHI 2,993,426
TESLA MEDICAL, S.R.O. 2,991,674
TEVA PHARMACEUTICALS INTERNATIONAL GMBH 2,993,183
TEVA PHARMACEUTICALS INTERNATIONAL GMBH 2,993,607
THE AMERICAN ONCOLOGIC HOSPITAL - D/B/A HOSPITAL OF THE FOX CHASE CANCER CENTER 2,993,179
THE CHILDREN'S MEDICAL CENTER CORPORATION 2,993,201
THE CHINESE UNIVERSITY OF HONG KONG 2,993,362

THE CHINESE UNIVERSITY OF HONG KONG 2,993,588
THE CHUGOKU ELECTRIC POWER CO., INC. 2,993,291
THE CURATORS OF THE UNIVERSITY OF MISSOURI 2,993,435
THE GENERAL HOSPITAL CORPORATION 2,993,830
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 2,993,676
THE PROCTER & GAMBLE COMPANY 2,991,934
THE PROCTER & GAMBLE COMPANY 2,992,439
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,986,379
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,993,233
THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY 2,993,440
THE TRUSTEES OF DARTMOUTH COLLEGE 2,993,327
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 2,987,057
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 2,987,247
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 2,992,925
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 2,992,937
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 2,993,431
THE UNIVERSITY OF TOKYO 2,993,605
THERANOS, INC. 2,993,316
THIELEN, EVA-MARIA 2,993,111
THIELEN, KLAUS 2,993,111
THOMPSON, JEREMY SCOTT 2,993,832
THOMPSON, MARK ANDREW 2,991,851
THOMPSON, THOMAS FRIEND 2,993,117
THOMSEN, PETER 2,993,685
THOMSON LICENSING 2,992,128
TIAN, LIANG 2,993,327
TIAN, PENG 2,993,146
TLS CORP. 2,993,192
TM IP HOLDINGS, LLC 2,993,168
TODD, ERIC 2,992,443
TOHYAMA HARUKAZU 2,993,289
TOLERO PHARMACEUTICALS, INC. 2,993,659
TOMAR, NEETU 2,993,822
TONOUCHI, HIDEKAZU 2,993,773
TOR, YITZHAK 2,993,233
TORAY INDUSTRIES, INC. 2,993,427
TRAKHIMOVICH, MICHAEL 2,993,281
TRAN, CHAU D. 2,992,446
TREPP ENTERPRISES, INC. 2,993,775
TREPP, WARREN 2,993,775
TREVINO GARZA, SARA 2,993,193
TRIANTAFYLLOU, ANGELIKI 2,993,783
TRICORD SOLUTIONS, INC. 2,993,187
TRIEBIG, STEFAN 2,990,921
TRIEBIG, STEFAN 2,990,924
TRUSTEES OF BOSTON UNIVERSITY 2,993,830
TSINGHUA UNIVERSITY 2,993,261
TSUCHIYA, CHIKAO 2,993,420
TUFTS MEDICAL CENTER, INC. 2,986,594
TURA, ALI 2,993,028
TURNBULL, JAMES T. 2,993,191
TURNER, CHRISTOPHER J. 2,993,638
TURNER, SUSAN 2,993,188
TYCO FIRE & SECURITY GMBH 2,991,285
UBIETA GOMEZ, RAIMUNDO 2,993,456
UEDA, HIROTOSHI 2,993,420
UEDA, HIROTOSHI 2,993,421
UEDA, YUKI 2,993,428
UENO, NORIEDA 2,993,609
UENO, NORIEDA 2,993,610
UGURLU, OLGUN 2,991,608
ULIS 2,990,553
UMEDA, HIROMASA 2,993,140
UMEI, KENTARO 2,987,235
UMEMURA, EIJIRO 2,993,425
UNIGEN, INC. 2,991,773
UNITED STATES GYPSUM COMPANY 2,993,170
UNIVERSIDADE DO MINHO 2,991,553
UNIVERSITA' DEGLI STUDI DI BERGAMO 2,992,248
UNIVERSITAT DE VALENCIA - ESTUDI GENERAL 2,993,118
UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6) 2,992,036
UNIVERSITY OF CENTRAL LANCASHIRE 2,993,156
UNIVERSITY OF CENTRAL OKLAHOMA 2,993,439
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED 2,993,025
UNIVERSITY OF HOUSTON SYSTEM 2,992,442
UNIVERSITY OF MASSACHUSETTS 2,993,247
UNIVERSITY OF SASKATCHEWAN 2,993,076
UNIWERSYTET JAGIELLONSKI 2,987,709
UNIWERSYTET MEDYCZNY W BIALYMSTOKU 2,987,709
UNO, TAKASHI 2,993,428
UNSER, KENNIETH 2,993,234
URQUIMA, S.A. 2,993,134
URSCHEL LABORATORIES, INC. 2,993,143
US SYNTHETIC CORPORATION 2,993,828
USG BORAL BUILDING PRODUCTS PTY LIMITED 2,993,487
USOV, PETER 2,993,330
UT-BATTELLE, LLC 2,992,446
VACCARI, ANDREA 2,991,270
VALENTIN, SOLENE 2,991,383
VALERIO, THOMAS 2,993,792
VALERIO, THOMAS 2,993,818
VALLES MARTIN, LILIAN SORAYA 2,993,118
VALSPAR SOURCING, INC. 2,993,164
VAN CLEVE, MARK DAVID 2,992,450
VAN CLEVE, MARK DAVID 2,993,334
VAN DER HEIDEN, PIETER 2,991,010
VAN DER MERWE, DIRK A. 2,992,948
VAN HOUTEN, MARIA JOHANNA ALEIDA 2,991,473
VAN RIEK, MAURICE 2,988,477
VANCAMPENHOUT, PETER 2,992,439
VANKAYALAPATI, HARIPRASAD M. 2,993,644
VARACEVA, LARISA 2,987,708
VASIL'EV, VYACHESLAV NIKOLAEVICH 2,993,522
VASOINNOVATIONS, INC. 2,993,297
VASS, ELAINE MARGARET 2,991,680
VENKATESAN, BALA MURALI 2,993,463
VENKATESWARLU, JASTI 2,993,173
VESELY, TOMAS 2,991,674
VHORA, SAMEER S. 2,993,295
VIEW, INC. 2,991,419
VIEW, INC. 2,991,761
VIEW, INC. 2,991,892
VIEW, INC. 2,992,423
VIGANO, JOSE 2,991,761
VILLAREAL, QUENTON CHRISTOPHER 2,986,965
VILLARREAL, DANIEL 2,987,247
VILLONI, RALPH 2,993,452
VIOLETTE, KEITH D. 2,992,948
VIPULANANDAN, CUMARASWAMY 2,992,442
VITAL VIO, INC. 2,993,825
VOCK, MIKE 2,992,983
VORFELD, UDO 2,993,496
VU, VAN VAN 2,992,451
VURMA, MUSTAFA 2,993,228
WADA, AKIFUMI 2,993,511
WADA, TAKAHISA 2,993,505
WADE, MICHAEL T. 2,992,983
WADHWA, SAMEER 2,993,038
WADHWANI, JAGDISH S. 2,993,597

WAHLING, HORST 2,993,144
WAI, LAI LAI 2,992,144
WAKE FOREST UNIVERSITY HEALTH SCIENCES 2,993,541
WAL-MART STORES, INC. 2,993,832
WALKIN, LEV 2,993,155
WALKIN, LEV 2,993,163
WALKIN, LEV 2,993,166
WALSH, BRADLEY 2,993,102
WAN, ZEHONG 2,993,269
WANG, DONG 2,993,604
WANG, HAILONG 2,993,269
WANG, HENG 2,993,347
WANG, HUAMAO 2,993,262
WANG, LEI 2,992,983
WANG, LINYING 2,993,146
WANG, SHULONG 2,993,687
WANG, TINGHAN 2,993,096
WANG, XIAOLUN 2,987,179
WANG, YEJUN 2,993,076
WANG, YUGUANG 2,993,096
WANG, ZHONGBO 2,987,322
WARD, DONNA T. 2,993,429
WARNER, STEVEN L. 2,993,659
WARRIAN, KEVIN 2,993,682
WATANABE, JUN 2,993,605
WATANABE, TOSHIKI 2,993,605
WATKINS, DAVID 2,993,152
WATSON, NICHOLAS HARRISON 2,993,632
WE, HONG BOK 2,991,933
WEBB, TIMOTHY 2,993,313
WEBB, TIMOTHY 2,993,320
WEBBER, BEAU 2,993,431
WEI, LIMLI 2,993,018
WEILAGE, HOPE EMILY 2,993,186
WEINER, DAVID 2,987,247
WEINSTEIN, DAVID 2,993,829
WEIS, SARAH 2,986,379
WELLS, KEVIN D. 2,993,435
WELLS, MARIA NOEL BROWN 2,993,280
WEMAN, HELGE 2,992,154
WEMAN, HELGE 2,992,156
WERNER, STEFAN 2,993,290
WESONGA, HEZRON 2,993,076
WEST DRILLING PRODUCTS AS 2,992,206
WEST DRILLING PRODUCTS AS 2,992,209
WEST, KEVIN 2,987,861
WESTERLIND, HANS 2,993,144
WESTGARTH, RICHARD 2,992,792
WHATCOTT, CLIFFORD J. 2,993,659
WHETHER OR KNOT LLC 2,991,905
WHITE, DAVID J. 2,993,469
WHITWORTH, KRISTIN M. 2,993,435
WIESMAN, MARK 2,992,445
WIGLEY, PETER 2,993,188
WILKE, MARKUS 2,991,675
WILKENING, ERNST-DIETER 2,991,433
WILLIAMS, STUART 2,993,340
WILLIAMS, THOMAS 2,993,188
WILLIS III, THOMAS M. 2,993,045
WILLOUGHBY, JON 2,992,983
WILSON, BRETT A. 2,992,942
WILSON, EMILY 2,993,640
WILSON, GORDON J. 2,993,240
WILSON, TIMOTHY 2,993,463
WINDOLF, MARKUS 2,993,079
WISTA LABORATORIES LTD. 2,993,123
WIX.COM LTD. 2,993,761
WIX.COM LTD. 2,993,762
WOBBEN PROPERTIES GMBH 2,992,655
WOHLSTADTER, JACOB 2,992,983
WOLLITZER, MICHAEL 2,993,705
WOOFOUND, INC. D.B.A. TRAITIFY 2,993,149
WOOSTER, RICHARD 2,993,429
WORLD GOLF SYSTEMS LIMITED 2,991,296
WOTTON, GEOFFREY 2,991,621
WRIGHT, CARSON 2,993,149
WRIGHT, DAMIAN 2,993,188
WU, HAIXIA 2,993,329
WU, PEI-MING 2,992,983
WU, TAO 2,993,013
WU, XINYUN 2,993,467
WUXI BIOLOGICS (CAYMAN) INC. 2,993,276
WUXI BIOLOGICS (SHANGHAI) CO. LTD. 2,993,272
XENO BIOSCIENCES INC. 2,987,863
XIA, LINGLI 2,993,038
XIANG, JASON SHAOYUN 2,987,179
XIANG, JINGYI 2,993,185
XIAO, NAN 2,991,784
XIE, LEI 2,991,339
XIE, XUEYUAN 2,987,322
XING, LI HUANG 2,987,179
XING, WEIQIANG 2,993,269
XING, YAOWEN 2,993,586
XU, HONGJIANG 2,993,687
XU, XIAOZHONG 2,993,104
XU, XIEQUN 2,993,517
XU, XUEHONG 2,993,586
XU, YIYANG 2,993,185
XU, ZUSHENG 2,993,096
YAGUCHI, TATSUYA 2,993,499
YAMAGISHI, MAKOTO 2,993,605
YAMAGUCHI, ICHIRO 2,993,420
YAMAMOTO, TAIZO 2,993,609
YAMAMOTO, TAKAHIRO 2,993,505
YANG, QING 2,993,667
YANG, QING 2,993,675
YANG, XIAODONG 2,993,113
YANG, XIAOLU 2,987,057
YANG, ZILI 2,993,586
YARMOTHU, CHANG 2,993,324
YE, SHENG 2,993,165
YEDA RESEARCH AND DEVELOPMENT CO. LTD. 2,991,690
YEDA RESEARCH AND DEVELOPMENT CO. LTD. 2,993,760
YEN, YUN 2,993,809
YIMAM, MESFIN 2,991,773
YOKOMACHI, NAOYA 2,993,428
YONG, JIA WEN 2,991,908
YOO, JAMES 2,993,541
YORKSTON, SIMON 2,993,346
YOUNG, DANIEL 2,993,316
YU, YOULU 2,993,675
YUAN, YONG KANG 2,992,946
YUE, YOUFENG 2,992,021
YUN, ZHISHENG 2,993,165
ZAIZEN, YOSHIAKI 2,993,594
ZANT, NIKOLAUS 2,991,339
ZAYTSEV, ANATOLIY ALEKSANDROVICH 2,993,522
ZEDIKER, MARK 2,992,464
ZEDLITZ, JASON 2,991,419
ZEN-BIO, INC. 2,993,224
ZEON CORPORATION 2,993,302
ZEON CORPORATION 2,993,641
ZHAN, YANG 2,993,269
ZHANG, HUI 2,993,687
ZHANG, JIAN 2,993,113
ZHANG, NONG 2,993,096
ZHANG, XIQUAN 2,993,687
ZHANG, YI 2,993,033
ZHANG, YI 2,993,035
ZHANG, YI 2,993,036
ZHANG, YI 2,993,062
ZHANG, YI 2,993,071
ZHANG, YI 2,993,086
ZHANG, YI 2,993,087
ZHANG, YI 2,993,088
ZHANG, YI 2,993,089
ZHANG, YI 2,993,090
ZHANG, YI 2,993,091
ZHANG, YI 2,993,103
ZHANG, YI 2,993,105
ZHANG, YI 2,993,106
ZHANG, YI 2,993,108
ZHANG, YI 2,993,109
ZHANG, YI 2,993,110
ZHANG, YI 2,993,112
ZHANG, YI 2,993,243
ZHANG, YI 2,993,244
ZHANG, YI 2,993,246
ZHANG, YI 2,993,248
ZHANG, YI 2,993,249
ZHANG, YI 2,993,251
ZHANG, YI 2,993,252
ZHANG, YI 2,993,253
ZHANG, YI 2,993,254
ZHANG, YI 2,993,255
ZHANG, YI 2,993,256
ZHANG, YI 2,993,258
ZHANG, YI 2,993,259
ZHANG, YI 2,993,455
ZHANG, YI 2,993,525
ZHANG, YI 2,993,526
ZHANG, YI 2,993,527
ZHANG, YI 2,993,528
ZHANG, YI 2,993,529
ZHANG, YI 2,993,530
ZHANG, YI 2,993,532
ZHANG, YI 2,993,534
ZHANG, YI 2,993,583
ZHANG, YI 2,993,584
ZHANG, YI 2,993,585

ZHANG, YI	2,993,589
ZHANG, YI	2,993,592
ZHANG, YI	2,993,677
ZHANG, YI	2,993,678
ZHANG, YI	2,993,681
ZHANG, YI	2,993,684
ZHANG, ZUOYI	2,993,261
ZHAO, BAOWEI	2,993,269
ZHAO, NA	2,993,687
ZHENG, TIANYONG	2,993,327
ZHENG, YONG	2,993,272
ZHENG, YONG	2,993,276
ZHOU, HEYUE	2,993,177
ZHOU, JILAI	2,993,327
ZHOU, XUEFENG	2,993,656
ZHU, JUNGUO	2,993,261
ZHU, WENLIANG	2,993,146
ZIBELMAN, MATTHEW	2,993,179
ZIEMS, JAN CARSTEN	2,992,655
ZILBERMAN, METTAL	2,993,415
ZOGENIX INTERNATIONAL LIMITED	2,993,665
ZOTUP S.R.L.	2,993,119

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

8 RIVERS CAPITAL, LLC 2,992,607
ABEBE, ADMASSU 2,987,757
ADAMS, KERISSA 2,991,501
ADLENS BEACON, INC. 2,993,068
ALBERT, ERIC 2,988,269
ALDERUCCI, DEAN 2,992,250
ALLAM, RODNEY JOHN 2,992,607
AMERICAN PANEL CORPORATION, INC. 2,991,969
APLIX 2,992,752
APPLE INC. 2,988,269
ASTRAZENECA AB 2,987,757
ASTRAZENECA UK LIMITED 2,987,757
ATC TECHNOLOGIES, LLC 2,989,660
BAEK, GARY 2,991,969
BALDAUF, GREG 2,990,331
BALL CORPORATION 2,990,040
BALLARD, LUCIA 2,988,269
BANIK, ROBERT 2,992,614
BANIK, ROBERT 2,992,620
BATES, JAMES 2,992,614
BATES, JAMES 2,992,620
BEAUCHAMP, SCOTT 2,984,577
BEAUDIN, JASON 2,991,487
BECTON, DICKINSON AND COMPANY 2,992,614
BECTON, DICKINSON AND COMPANY 2,992,620
BENNISON, CORRIE 2,991,909
BENTON, GEORGE A. 2,991,605
BERGERON, MARCO 2,992,233
BESANT, JUSTIN DAVID 2,993,401
BIESBROUCK, GERARDUS MAJELLA 2,987,495
BIS, TOMASZ 2,992,482
BLUM, TIMOTHY M. 2,991,909
BOEHM, MARCUS F. 2,986,521
BRAHMACHARY, ENUGURTHI 2,986,521
BROOKS, JENNIFER L. 2,986,521
BRUEHWILER, MICHEL 2,992,614
BRUEHWILER, MICHEL 2,992,620
CARRICK, CHRISTOFHER 2,991,390
CATERINO, MARK A. 2,990,331
CELGENE INTERNATIONAL II SARL 2,986,521
CELLUTECH AB 2,991,390
CEPH, L.L.C. 2,992,250
CHANG, NAN-SHAN 2,987,436
CHAPMAN, GREGORY R. 2,988,269
CHEN, YING 2,987,744
CHOO, KI-HYUN 2,981,539
CHURKO, RICK 2,991,487
CNH INDUSTRIAL CANADA, LTD. 2,991,196
CONSTANTINEAU, COLE 2,992,614
CONSTANTINEAU, COLE 2,992,620
COPPERHEAD INDUSTRIAL INC. 2,993,056
CORBIN, ERIKA 2,992,336
CRANE, NEIL GARETH 2,988,269
CVETOVICH, RAYMOND 2,987,354
DAYAL, PRANAV 2,987,839
DE JONGHE, STEVEN 2,987,743
DE LA CHEVROTIERE, ALEXANDRE 2,979,623
DEEP IMAGING TECHNOLOGIES, INC. 2,992,220
DEPUY SYNTHES PRODUCTS, INC. 2,990,098
DEPUY SYNTHES PRODUCTS, INC. 2,990,106
DESAI, DIVYAKANT 2,987,757
DISCH, SASCHA 2,989,886
DOLBY INTERNATIONAL AB 2,990,261
DUCAUCHUIS, JEAN-PIERRE 2,992,752
DUFFY, THOMAS BROGAN 2,988,269
EGAN, WILLIAM 2,993,068
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,988,938
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,989,542
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,989,593
ELI LILLY AND COMPANY 2,991,909
ELLIS, JEFFREY L. 2,991,909
FABPULOUS B.V. 2,987,495
FAGLEY, WALTER STONE THOMAS, IV 2,992,766
FAHMY, TAREK 2,987,519
FETVEDT, JEREMY ERON 2,992,607
FORBES, JAMES W. 2,992,482
FORSTALL, SCOTT 2,988,269
FORT HILLS ENERGY L.P. 2,991,181
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,989,886
FREDERICK, LARRY D. 2,991,665
FREEDMAN, GORDON J. 2,988,269
FRESENIUS MEDICAL CARE HOLDINGS, INC. 2,991,501
FRIEDER, OPHIR 2,992,001
FRIEND, WILLIAM D., JR. 2,992,766
FUCHS, GUILLAUME 2,989,886
FUNKHOUSER, GARY P. 2,992,763
GAMAGE, SWARNALATHA AKURATIYA 2,987,503
GAO, LING-JIE 2,987,743
GEORGETOWN UNIVERSITY 2,992,001
GIDDENS, ANNA CLAIRE 2,987,503
GLATZ, JOHANNES FREDERICUS CAROLUS 2,987,495
GOODWIN, DAVID WILLIAM 2,988,269
GOOGLE INC. 2,984,577
GORMLEY, MICHAEL JOHN 2,982,119
GROUND EFFECTS ENVIRONMENTAL SERVICES INC. 2,991,487
HALOZYME, INC. 2,986,512
HAMMOND, PAUL L. 2,991,665
HANN, THOMAS CHARLES 2,991,181
HANSON, MICHAEL ALLEN 2,986,521
HAROUD, KARIM 2,993,068
HATZINIKOLAS, MICHAEL 2,992,642
HAUSDORFF, WILLIAM P. 2,986,862
HEINTZ, AMY M. 2,991,909
HENLEY, JEREMIAH D. 2,990,098
HENLEY, JEREMIAH D. 2,990,106
HENRY, JAMES W. 2,991,196
HERDEWIJN, PIET 2,987,743
HERMAN, JEAN FERDINAND 2,987,743
HERRE, JUERGEN 2,989,886
HICKEY, MARK 2,992,220
HOOD, JOHN 2,986,631
HORSBURGH, BRIAN 2,987,519
HOWLES, ROBERT M. 2,992,192
HUANG, LIMING 2,986,521
HUR, NAM-HO 2,989,542
HUR, NAM-HO 2,989,593
HURT, MARK J. 2,990,275
IAROCCI, JOHN 2,988,269
INGRAM, GARY D. 2,992,766
IRMINGER, RENAUD 2,982,119
ITOH, MASAO 2,992,607
IWAI, YASUNORI 2,992,607
JANG, MI-YEON 2,987,743
JENTZSCH, KEVIN REED 2,990,040
JEONG, BYUNG JANG 2,988,938
JI, TINGFANG 2,987,839
JIANG, MEILONG 2,987,989
JORDAN, GREGORY R. 2,990,275
KAESELER, WERNER 2,993,056
KALISH, ALEXANDER 2,992,220
KARABINIS, PETER D. 2,989,660
KASEMAN, BRIAN 2,991,909
KATHOLIEKE UNIVERSITEIT LEUVEN, K.U.LEUVEN R&D 2,987,743
KC, SUNIL KUMAR 2,986,631
KELLEY, SHANA OLWYN 2,993,401

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

KETCHUM, RUSSELL KEVIN 2,984,577
KEYSTONE RETAINING WALL SYSTEMS, INC. 2,991,173
KEYSTONE RETAINING WALL SYSTEMS, INC. 2,992,002
KIKUIRI, KEI 2,990,392
KIM, HEUNG-MOOK 2,989,542
KIM, HEUNG-MOOK 2,989,593
KIM, IL-KOO 2,988,167
KO, YOUNG JO 2,988,938
KRAUS, KEVIN C. 2,990,331
KRAUSE, STEVEN 2,992,336
KWON, SUN-HYOUNG 2,989,542
KWON, SUN-HYOUNG 2,989,593
LACROIX, DAVID M. 2,991,173
LEE, HEESOO 2,988,938
LEE, JAE-YOUNG 2,989,542
LEE, JAE-YOUNG 2,989,593
LEE, JUSTIN 2,991,487
LEE, KYOUNG SEOK 2,988,938
LEHIGH UNIVERSITY 2,992,186
LEMONS, CHARLES 2,991,969
LIM, BO-MI 2,989,542
LIM, BO-MI 2,989,593
LIN, YUAN 2,987,743
LITZINGER, DARREN 2,988,269
LOUAT, THIERRY ANDRE MICHEL 2,987,743
LOWSKY, JOHN 2,991,605
MACDONALD, ROBERT 2,991,173
MACDONALD, ROBERT 2,992,002
MADLAND, STEVEN M. 2,991,909
MALOOF, MARCUS A. 2,992,001
MANEVAL, DANIEL C. 2,986,512
MARCELLINO, CHRISTOPHER 2,988,269
MARTIN, KYLE 2,987,757
MARTINBOROUGH, ESTHER 2,986,521
MASON, HENRY GRAHAM 2,988,269
MASPUTRA, CAHYA 2,988,269
MCKENZIE, CHRISTOPHER P. 2,991,909
MCMAHON, CHARLES ROBERT 2,992,895
MCP IP, LLC 2,992,229
MEASE, RONNIE CHARLES 2,987,744
MEI PHARMA, INC. 2,987,503
MERCHANT, STEPHEN A. 2,991,501
MICHEL, HUGO 2,992,233
MICHEL, STEPHAN 2,992,233
MILLER, CORINNE L. 2,973,232
MOORJANI, MANISHA 2,986,521
MUENZER, CHRISTOPHER H. 2,991,909
MYSZEWSKI, DAVID 2,988,269
NAGEL, FREDERIK 2,989,886
NAITO, CLAY 2,992,186
NATIONAL CHENG KUNG UNIVERSITY 2,987,436
NATIONAL STEEL CAR LIMITED 2,992,482
NEC CORPORATION 2,987,989
NIBAUER, LISA 2,993,068
NOH, TAE GYUN 2,988,938
NOVICK, GREGORY 2,988,269
NTT DOCOMO, INC. 2,990,392
OH, EUN MI 2,981,539
PALMETTO SUPPORT TECHNOLOGIES LLC 2,991,605
PARADISO, PETER R. 2,986,862
PARATEK PHARMACEUTICALS, INC. 2,987,354
PARK, SUNG-IK 2,989,542
PARK, SUNG-IK 2,989,593
PATEL, JATIN M. 2,987,757
PAYTON, ROBERT 2,992,220
PEACH, ROBERT 2,986,521
PEDRICK, DOUGLAS 2,992,336
PETERSON, MATTHEW WALLACE 2,993,068
PETTERSSON, BERT 2,991,390
PICOT, LIONEL 2,992,752
POMPER, MARTIN GILBERT 2,987,744
PRASAD, NARAYAN 2,987,989
PRESTON, STEVE 2,991,969
PRYBIS, BRAD 2,992,336
PUGH, TREVOR K. 2,992,220
PURNHAGEN, HEIKO 2,990,261
QUALCOMM INCORPORATED 2,987,839
RANGARAJAN, SAMPATH 2,987,989
REITBLAT, ABRAM 2,992,336
REWCASTLE, GORDON WILLIAM 2,987,503
RIBER, EZRA 2,991,605
ROTHERT, CURTIS 2,988,269
RUDA, MARCUS 2,991,390
SAMSUNG ELECTRONICS CO., LTD. 2,981,539
SAMSUNG ELECTRONICS CO., LTD. 2,988,167
SAMUELSSON, LEIF JONAS 2,990,261
SAMUMED, LLC 2,986,631
SANDER, ELIZABETH J. 2,992,192
SARGENT, EDWARD HARTLEY 2,993,401
SCHLAGE LOCK COMPANY 2,990,331
SCHNELL, URBAN 2,993,068
SCHOONMAKER, RYAN 2,992,614
SCHOONMAKER, RYAN 2,992,620
SCHREYER, RICHARD 2,988,269
SCHULTZ, ROGER L. 2,992,763
SCOTT, FIONA LORRAINE 2,986,521
SENATORE, DANIEL 2,993,068
SEO, BANG WON 2,988,938
SHEPARD, H. MICHAEL 2,986,512
SHIELDS, THOMAS CLAY 2,992,001
SIBER, GEORGE RAINER 2,986,862
SILES, JOHN L. 2,990,040
SITA INFORMATION NETWORKING COMPUTING IRELAND LIMITED 2,982,119
SOKOL, JOSEPH 2,988,269
SOKOLOWSKI, JAMES 2,992,220
SONNEMAN, ROBERT A. 2,991,965
SONNEMAN, ROBERT A. 2,991,970
SONNEMAN, ROBERT A. 2,991,974
SONNEMAN, ROBERT A. 2,991,991
SONNEMAN, ROBERT A. 2,991,995
SONY CORPORATION 2,984,177
SORRESSO, DAMIEN 2,988,269
SRISUWANANUKORN, CHARLES 2,988,269
STEELBERG, CHAD 2,984,577
STEELBERG, RYAN 2,984,577
STEENBLIK, RICHARD A. 2,990,275
STRATA SAFETY PRODUCTS, LLC 2,991,665
STRYKER EUROPEAN HOLDINGS I, LLC 2,992,336
SU, WAN-PEI 2,987,436
SUNG, HO-SANG 2,981,539
SUZUKI, SHINJU 2,992,607
TALBERT, JOSHUA D. 2,990,098
TALBERT, JOSHUA D. 2,990,106
TALIJAN, DAVID 2,992,336
TAMIYA, JUNKO 2,986,521
TAYLOR, MARGARET 2,992,614
TAYLOR, MARGARET 2,992,620
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 2,993,401
THE JOHNS HOPKINS UNIVERSITY 2,987,744
THOMPSON, CURTIS B. 2,986,512
THRU TUBING SOLUTIONS, INC. 2,992,763
TIMMINS, PETER 2,987,757
TIMONY, GREGG ALAN 2,986,521
TROXLER ELECTRONIC LABORATORIES, INC. 2,991,928
TROXLER, ROBERT ERNEST 2,991,928
TRPKOVSKI, PAUL 2,992,229
TSANG, KIT YEE 2,987,503
USINAGE PRO24 INC. 2,992,233
VAGBERG, LARS 2,991,390
VAKIL, MOHAMMAD 2,991,196
VAN DE LIEFVOORT, MATTHIAS K. 2,990,040
VAN DER MERWE, SHAWN 2,991,181
VAN MILLIGAN, MICHAEL 2,988,269
VANDERHOYDONCK, BART 2,987,743
VISUAL PHYSICS, LLC 2,990,275
VUYK, ADRIAN, JR. 2,993,392
WAER, MARK JOZEF ALBERT 2,987,743
WALLACE, DAVID MARK 2,986,631
WARCHOL, TADEUSZ 2,987,354
WASTON, MATTHEW G. 2,988,269
WATSON, BROCK W. 2,992,763
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,992,766
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,993,392
WEGMANN, AUTOMOTIVE USA INC. 2,992,895
WEI, YUXIN 2,984,177
WICHERN, DONALD M. 2,990,098
WICHERN, DONALD M. 2,990,106
WIEVRE, ANDY 2,991,487
WILLIAMS, DAVID 2,991,969
WOLENSKY, JOEL 2,991,487

WRIGHT MEDICAL TECHNOLOGY, INC.	2,992,192
WYETH	2,986,862
YALE UNIVERSITY	2,987,519
YAMAGUCHI, ATSUSHI	2,990,392
YEAGER, ADAM RICHARD	2,986,521
YUE, GUOSEN	2,987,989